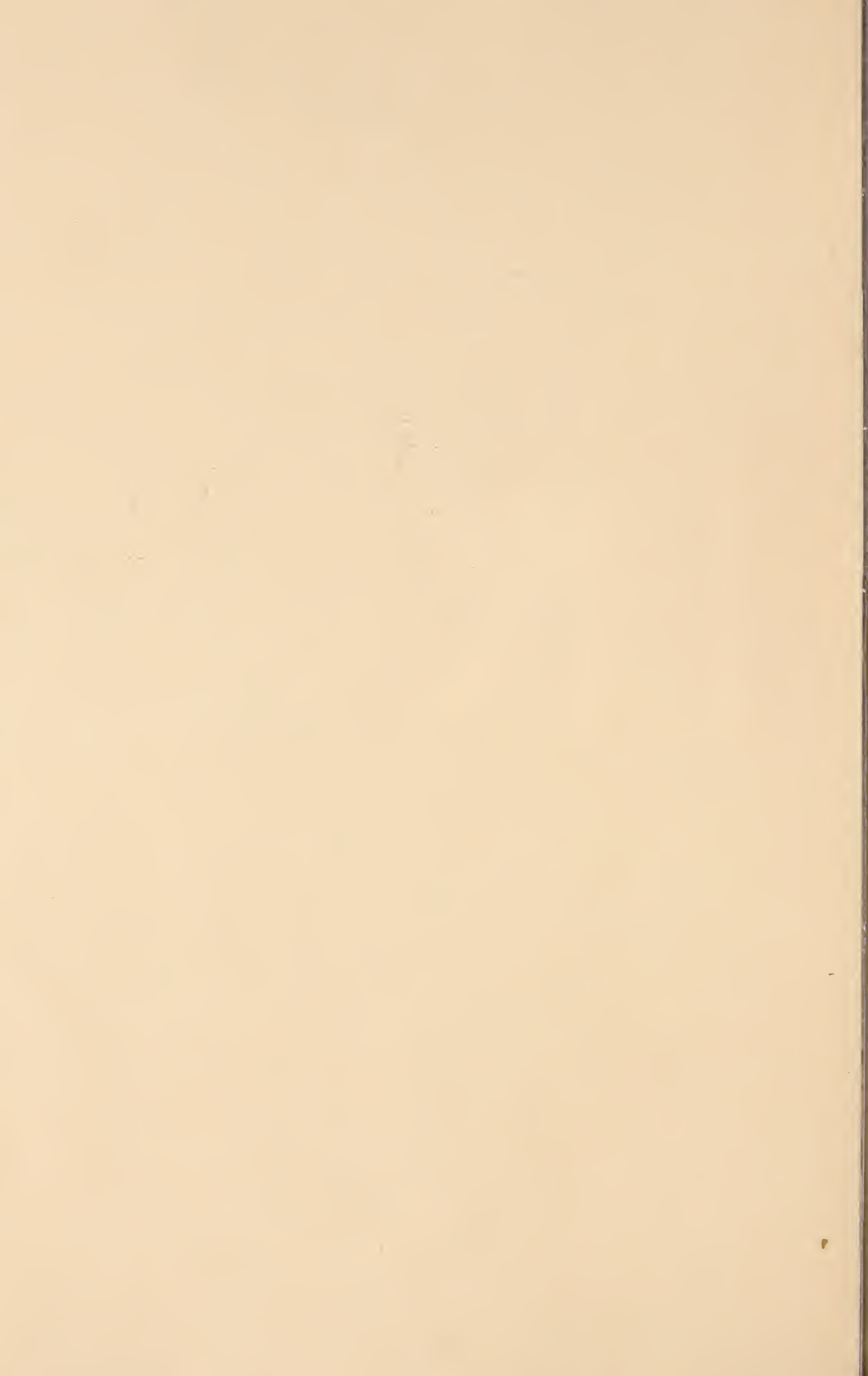


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Dark's Floral Magazine

Vol. XLVIII, No. 11. LA PARK, PA., NOVEMBER, 1912. 1 Year 10 Cts.
Established 1871. 6 Years 50 Cts.



SPLENDID MIXED TULIPS.

I AM AGAIN able to offer Splendid Mixed Tulips as a premium. These are of a late importation, and of very superior size and quality. They are all large, plump bulbs, and every one can be depended upon for a superb flower in spring. The mixture embraces Single and Double, Early and Late, Parrot and Botanical Tulips. They will make a gorgeous group or bed. I guarantee them to please you.

Park's Floral Magazine 1 yr and 14 splendid Tulips, all kinds and colors, sure to bloom 15c.

Magazine 3 years or 3 subscriptions 1 year, with 48 splendid Tulips, sure to bloom 50c.

Magazine 6 years or 6 subscriptions 1 year, with 100 splendid Tulips, sure to bloom 1 00.

Now is the time to plant these bulbs. All are perfectly hardy. They will bloom early in spring. Full cultural directions accompany the bulbs. See your neighbors and get up a club. Address

GEO. W. PARK, La Park, Pa.

PLEASE NOTE.—My grower in Holland wrote me that these bulbs were worth more than twice the price at which he billed them to me, but that he let them go, as he had a surplus on hand, and the season was late. His loss is your gain, as I make no extra charge on account of the increased value of the bulbs.

The Finest Polyanthus Narcissus.

The finest of all Narcissus for house culture are the Polyanthus varieties. The bulbs are sure to bloom well in winter even under unfavorable conditions, and every window gardener should grow them. I offer the three best, most distinct sorts, and the bulbs are large, sound and reliable. If you want to be sure of a fine display of beautiful and fragrant flowers the coming winter, do not fail to order a collection or more of these splendid bulbs. Price 5 cents each, or the three bulbs for 10 cents, three collections (nine bulbs) only 25 cents, mailed.

Grand Monarque, pure white with citron cup; large and beautiful, borne in splendid trusses.

Gloriosa, soft white with dark, bright orange cup; very fine trusses.

For winter-blooming treat these as you would Hyacinth bulbs. In the South they do well bedded out. They often do well even in Pennsylvania when bedded out.

Grand Soliel d' Or, beautiful golden yellow flowers in large trusses. This is the true Golden Sacred Lily. The flowers are entirely yellow and produced in big trusses; very fragrant.

GLORIOUS TRUMPET DAFFODILS.

Three Finest Named Sorts, only 15 Cents.

I offer this month a collection of the three finest Trumpet Daffodils, splendid large bulbs, with Park's Floral Magazine a year, for only 15 cents. Here is the collection:

Madam de Graaf, the new giant-flowered Daffodil; pure white perianth and sulphur trumpet. I was able to secure a lot of these expensive bulbs at a bargain this year, and can sell them at 10 cents each, \$1.00 per dozen.

Bicolor Victoria, a grand sort; flowers of great size; white perianth and golden trumpet. See description in last month's Magazine. 8 cents each, 75 cents per dozen.

Ajax Princeps, very large sulphur-colored flowers; a variety of rare beauty. Price 5 cents each, 50 cents per dozen.

One bulb of each of the above with Park's Floral Magazine a year for only 15 cents. Once planted these Daffodils need not be disturbed for years, and will bloom with greater richness and beauty each spring. You will never regret the outlay for these choice hardy bulbs.

For \$1.00 I will send eight collections, 24 bulbs, eight of each of the above grand Narcissus, enough for a fine bed. They can be mixed in the bed or grouped as desired. Order this month.

Address **GEO. W. PARK, LaPark, Pa.**

Orchid-flowering Iris. See advt. in October Magazine.



GIANT SINGLE HYACINTHS.

These are extra large bulbs, and offered to those who want something extra fine for growing in glasses or pots. They are the finest of Hyacinths, easily grown, rich in color, and produce enormous spikes. There are none better. This superb collection, all giants, 3 bulbs, only 35 cents.

Pure White, L'Innocence, a charming pure white Hyacinth; splendid waxy bells; enormous spikes; magnificent. Each 15 cents.

Rose, Ornament Rose, an exquisitely handsome sort; lovely delicate rose bells; huge, attractive truss; surpassingly beautiful. 15 cents.

Blue, Grand Maitre, a glorious Hyacinth; large graceful bells; mammoth compact spike; the most popular and attractive of blue Hyacinths; color deep porcelain blue, very rich and effective; unsurpassed. 15 cents.

You cannot err in getting these Giant Hyacinths. They are grand.

Besides the above Hyacinths I still have a few collections of Nos. 1, 2, 3 and 4 of Single and Double Hyacinths advertised last month. Price for each collection 30 cents, 10 splendid named varieties in each collection. I do not have any of the larger bulbs or 50 cent collections left. I have however, a lot of fine bulbs of the following collection, which was overlooked in making up the advertisements last month. Price, 10 bulbs in 10 splendid varieties, including Park's Floral Magazine, 40 cents. The collection is as follows:

King of the Blues, dark blue.

King of Belgium, dark red.

Madame van der Hoop, white.

Grand Maitre, porcelain.

King of the Yellows, rich yellow.

L'Innocence, pure white.

Queen of the Blues, light blue.

Lord Balfour, mauve.

Moreno, waxy pink, fine.

Grand Blanche, bluish white.



HYACINTHS.

These bulbs are suitable for either garden or house culture, and are a bargain at 40c the lot, or 5c each.

TULIPS.—I regret that my stock of Fine Named Tulips in Collections is almost exhausted at this time (Oct. 28th), and I can only offer the fine Mixed Premium Tulips mentioned on the first Title page. These Premium Tulips are a bargain lot, and will make a grand bed.

CROCUSES.—I can supply a few named Crocuses, but would advise my friends to order mixed bulbs to be sure to get what they want. Do not delay your order for Crocuses. The sooner the bulbs are planted the better. Price 10 bulbs 10 cents, 110 bulbs \$1.00.

Bulbs For Winter-Blooming.

The following bulbs are indispensable for winter-blooming. Get them, pot them and place in a dark closet to root, then bring to the window as wanted. They will bloom shortly after being brought to the light.

Chinese Sacred Lilies, fine imported bulbs. Each 8c, per doz. 80c.

Paper White Narcissus, imported from France. Each 2c, doz. 22c.

Bermuda Frezias, large bulbs, sure to bloom. Each 2 cents, per dozen 20 cents, per hundred, \$1.25.

Mammoth Buttercup Oxalis, fine for pots. Each 4 cents, per dozen 40 cents, per hundred \$2.50.

Zephyranthes or Daffodil Lily, a small Amaryllis, of great beauty in pots; colors white and rose. Either color, each 4c, dozen 40c, hundred \$2.50.

Address

GEO. W. PARK, LaPark, Pa.



MAGAZINE APPRECIATED.

Dear Mr. Park:—Of the several garden and floral Magazines I receive, yours is the most appreciated. I have known it for only a year but I would not like to be without it. Any person who is the least bit interested in flowers, should not hesitate to subscribe for it.

Montgomery Co., Pa. Jos. R. Munbauer.

Mr. Park:—I have taken your Magazine for a good many years and look forward to its coming as much as I do any periodical I read. It is also appreciated by my friends who read my copies.

Bucksport, Me. Mrs. H. D. Bridges.

Mr. Park:—I began taking your Magazine two years ago and did not know anything about plants until then, as I always lived in a city. I am going to get up a club for you.

Farquahar Co., Va. Mrs. T. H.

Mr. Park:—I have had your Magazine for 10 years or more. I read the numbers over and over.

Ontario Co., N. Y., Sept. 9, 1912. Mrs. Ella B. Lewis.

Dear Mr. Park:—I received my first copy of your Magazine over a year ago, and will renew my subscription in good season so as not to miss a single number, as I have enjoyed it so much and I find so many helpful articles in every copy.

Cocolalla, Idaho. Mrs. Josephine Show.

QUESTIONS.

Lace Cactus.—What will make my Lace Cactus bloom? I have had it for twelve years, and it seems thrifty, but does not bloom.—Leola Berry, Wildwood, Mich., Sept. 19, 1912.

Himalaya Berry Not Bearing.—Two years ago I bought a Himalaya Berry plant. It is now at least seven feet high, but bears no fruit. How shall I treat it?—Harry Luxon, Ohio.

Red Pink.—Last winter I lost a Red Pink or Carnation of which I do not know the name. The flowers are double and of a lovely shade of red, the leaves are not stiff and silvery, but green. I very much wish to replace it. What is the name and where can I get it? It blooms abundantly throughout the whole summer.

Montgomery, Mich. Mrs. P. A. Hardy.

INVESTING for PROFIT FREE

FOR SIX MONTHS. It is worth \$10 a copy to any man intending to invest any money, however small, who has invested money unprofitably, or who can save \$5 or more per month, but who hasn't learned the art of investing for profit. It demonstrates the real earning power of money, the knowledge financiers and bankers hide from the masses. It reveals the enormous profits bankers make and shows how to make the same profits. It explains how stupendous fortunes are made and why made, how \$1,000 grows to \$22,000. To introduce my magazine, write me now. I'll send it six months absolutely FREE.

H. L. Barber, Pub., R 418, 26 W. Jackson Blvd., Chicago, Ill.

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100 Candle Power Incandescent pure white light from (kerosene) coal oil. Beats either gas or electricity. COSTS ONLY 1 CENT FOR 6 HOURS. We want one person in each locality to whom we can refer new customers. Take advantage of our Special Offer to secure a Beacon Burner FREE. Write today. AGENTS WANTED.

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Cash or royalty to you. NEEDHAM MUSIC HOUSE, 126-5, St. Louis, Mo.

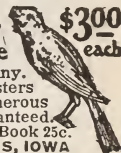
BIG MONEY IN SONGS

WE PAY 50 per cent. if successful. Send us your Poems, Songs, or melodies today. You may be able to write a big seller.

H. Kirkus Dugdale Co., Dept. 161, Washington, D. C.

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From very best breeders in Germany. Every one a gem. Guaranteed songsters with pure, rich, sweet voices and generous quantity of song. Live arrival guaranteed. Price \$3. Illustrated catalog free. Bird Book 25c. IOWA BIRD CO., Dept. 2 DES MOINES, IOWA

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For a limited time only we will send, absolutely free, our big fashion book, "Every Woman Her Own Dressmaker." It is a large book, illustrating and describing 200 latest styles for ladies and children, with a complete series of ILLUSTRATED LESSONS ON CUTTING, FITTING AND FINISHING—instruction in many ways EQUAL TO COURSES SOLD FOR VERY HIGH PRICES by the big dressmaking schools.

OUR FREE OFFER: Send 10c to pay for a 3 months' trial subscription to our popular home, story and fancy work magazine, THE HOUSEHOLD, and get the big fashion book free and postpaid. Address HOUSEHOLD, Dept. Pat. B-100, Topeka, Kan.

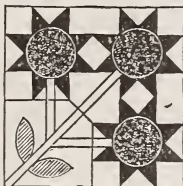
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Extra heavy silver plate, handsomely engraved and embossed in beautiful Narcissus design, finished in the popular French grey style, guaranteed for years. Send 10 cents for our big magazine 3 months and get sugar shell free. This introductory offer good only 10 days.

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To quickly introduce our new fancy work magazine teaching all popular embroideries, showing newest designs in shirt waists, corset covers, hats, scarfs, centers, etc., we send 3 months for only 10c and give Free the famous Briggs Stamping Outfit, all complete, containing over 30 transfer latest stamping patterns and full instructions. HOUSEHOLD FANCY WORK CLUB, Dept. 63, TOPEKA, KANSAS.



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We want every quilter to have our book of 450 Designs, containing the prettiest, queerest, scarcest, most grotesque patterns ever thought of, from old log cabin to stars and puzzle designs, also crazy stitches and circulars. All sent, postpaid, for six 2c. stamps (or silver dime). LADIES' ART CO., Block 3, St. Louis, Mo.



Beautiful Gold-Finished Bracelet engraved with your initials. Send 12c (coin or stamps) to help pay advertising, engraving, mailing. Latest Jewelry Catalog telling about our new \$100.00 cash prize contest, sent FREE.

INDIA COMPANY, 7 G Maiden Lane, N. Y.

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\$4 a Day
Easily Made



We start men and women in a profitable business on a small investment. Write quick for prices and Loom Book. REED MFG. CO. Box 15, Springfield, Ohio

Xmas Cards, Tags, Etc.

As all of my flower-loving friends use Cards, Tags, Stamps and Seals in their Christmas greetings, and will expend from 15 to 25 or 50 cents for them I have arranged to supply a splendid assortment, 50 kinds, all richly embossed in gold and cardinal and green in the most artistic manner. This entire collection will be sent with Park's Floral Magazine for a year for only 15 cents. If already a subscriber send the Magazine as a Christmas present to some friend. Six lots and six subscriptions, all for 75 cents. Why not get up a club, as everybody will want a set of such cards, tags, etc., at Christmas time. Order soon. Address

GEO. W. PARK, La Park, Pa.

AGENTS \$35 TO \$75 A WEEK INCOME. New invention. Scrubs, takes up water. No wringing, no cloths. Sells everywhere—big profits—exclusive territory. Write today: Special terms. **PIRRUNG MFG. CO., Dept 227 Chicago, Ill.**

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We give an American made, stem wind and stem set Watch fully GUARANTEED, and this beautiful Band Ring, or any other premium you want, for selling 20 pkts. of POST CARDS at 10c per package. Best you ever saw. Order 20 today, when sold send us the \$2.00 and we will send you the WATCH and RING and also a CHAIN. **HERMAN & CO. 2430 N. Halsted St. Dept. 212 CHICAGO**

WORK FOR US \$50-to-\$75 EVERY WEEK

Experience not necessary. Honesty and willingness to work is all we ask. You can make \$5000 a year easy. Representing us in your territory with this Sanitary household article selling **THE "EASY WRINGER MOP"** Listens: G. Handy, N. Y. says Sold 131 in 2 days profit \$78.60 No investment required Sample free with first order. Write today for new booklet sworn to evidence, all FREE. **The U. S. Mop Co., 1394 Seiss Bldg. Toledo, Ohio.**



WANTED A man or woman, all or spare time, to secure information for us. Experience not necessary. Nothing to sell. **GOOD PAY.** Send stamp for particulars. Address **M. S. I. A., Indianapolis, Indiana**

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Embroidered apparel novelties. Big money-makers. Newest ideas. Many surprises. Nearly every call a sale. Handsome illus. cat. free. **IMPORT SALES CO., Desk M-6, Chicago.**

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A New Money Maker

Only thing of its kind. Biggest seller yet. Miller Lax Cream, the only constipation remedy in sanitary tubes. Every one buys it. A snap for agents. Write for outfit. **ROYAL MFG. CO., Dept. 1781 Detroit, Mich.**



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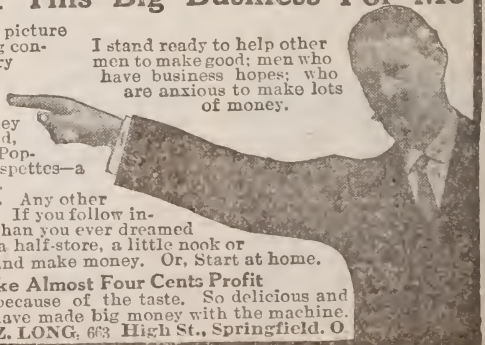
Ladies—distribute only sixteen of my Big 115 Needle Cases and beautiful 12x15 Art Pictures on my great 25 cent offer, send me the \$4.00 collected and I will ship you this magnificent 31-Piece Violet Decorated Dinner Set, absolutely free. No freight charges for you to pay if you accept this offer at once. Send no money—just your name and address so that I can mail you needles and pictures with large illustration of Set in colors and hundreds of genuine testimonial letters from delighted women everywhere. Address **MGR. DISH CLUB Dept. 56 TOPEKA, KAN.**



Popcorn Crispettes Built This Big Business For Me

This is a picture of my big confectionery store in Springfield, O. The money I earned, selling Popcorn Crispettes—a

I stand ready to help other men to make good; men who have business hopes; who are anxious to make lots of money.



now, delicious confection—enabled me to establish it. My Popcorn Crispette Machine made me a rich man. Any other man who goes at it as I did can make a lot of money. If you follow instructions you should make more money this winter than you ever dreamed of. Somewhere in your town there is a small store—a half-store, a little nook or a store window—where you can set up your machine and make money. Or, Start at home. **Every Time You Take in a Nickel You Make Almost Four Cents Profit** People buy and buy and buy Popcorn Crispettes because of the taste. So delicious and tempting. In my literature I tell about men who have made big money with the machine. It's very interesting. Investigate. Write today. **W. Z. LONG, 683 High St., Springfield, O.**

PARK'S FLORAL MAGAZINE

A MONTHLY JOURNAL OF FLORICULTURE

Price, 1 year 10 cts.
3 years 25 cts.

[Entered at La Park, Pa.,
postoffice as second class mail matter.]

GEO. W. PARK, Editor and Proprietor.

Vol. XLVIII.

LaPark, Pa., November, 1912.

No. 11.

AUTUMN.

Autumn is here The flowers have faded,
Drooped and gone from sight,
And the woodlands, once so green,
Now are robed in colors bright,
In the fields and in the orchards,
Decked with grain and fruit now ripe,
Men are gathering and storing Apples
Ere the winter comes in sight.

Mrs. Anna Rogers.

IMPROVED OR GIANT PANSIES.

WHAT we recognize as the Pansy in catalogues and common conversation, is a development from *Viola tricolor*, a native plant of Great Britain. Originally the flowers were small and inconspicuous, but under the care of the specialist they have developed in size, in variety of color and in form until they are giants compared with the diminutive flowers of the species. Many of the German florists have recently been paying special attention to Pansy culture, the trend of their efforts being for larger and better formed flowers, beauty of variegation, compactness of growth and freedom of bloom. Their success has been such that the Pansy of today far surpasses the Pansy which was sparingly cultivated half a century ago. The illustration on this page indicates improvements effected within the last few years.

The Pansy is a favorite flower and well deserves its popularity. The plants are easily

grown from seeds, come into bloom early, and bloom freely and continuously until winter. If seedlings are started in July, they will begin blooming in autumn, and will often grow and bloom throughout the winter, if the weather is mild. Handsome flowers have been taken from beneath the snow in February.

The Pansy bed should be in a slightly shaded situation and the soil deep, rich and rather tenacious. The best fertilizer that can be used, is well-rotted cow manure. This should

be liberally incorporated with the soil in preparing the bed. Set eight inches apart, the plants will soon cover the ground with a carpet of rich green, above which the flowers will stand in great profusion. In a bed of seedlings, hardly two plants will produce flowers of the same character and in picking a bouquet, each flower seems to have a beauty all its own and claims our special admiration.

The Pansy has but few enemies. Perhaps the worst one is a slug which eats the flowers and sometimes the foliage. A dressing of wood soot will be found beneficial when this pest attacks the plants. In case the plants are troubled with lice, sprinkle tobacco dust over the foliage.

Seedlings may be started in a box or pot early in spring, and the plants set out

as soon as they are large enough. Such plants will produce rather small flowers during summer, but the flowers will enlarge as the season advances and cooler weather comes, and make a lovely display in autumn.



GIANT FANCY PANSY.

Park's Floral Magazine.

A Monthly. Entirely Floral.

GEO. W. PARK, B. Sc., Editor and Proprietor,
LA PARK, LANCASTER CO., PA.

The Editor invites correspondence from all who love and cultivate flowers.

Subscription Price, 10 cts. for 1 year, 25 cts. for 3 years, or 50 cts. for 5 years.

All communications relating to advertising should be directed to Rhodes & Leisenring, 1017-21 Unity Building, Chicago, Ill., who are the advertising representatives.

NOVEMBER, 1912.

Wintering Giant-flowering Caladiums.—The so-called Giant-flowering Caladium, grown in pots at the North, should be dried off and wintered in a dry, rather warm room. Withhold water almost entirely, and do not disturb the roots of the plant.

Chinese Lilies.—After potting the Chinese Sacred Lily or placing it in a glass to grow in water, the vessel should be set away in a dark, moderately warm place until the bulb is well rooted. In growing in water, avoid allowing the water to touch the base of the bulb, as it is liable to injure it. When well-rooted, bring it gradually to the light and keep in a rather cool, moist atmosphere. If the bulbs are not well-rooted, and are brought to a hot dry atmosphere, the buds will likely blight while the foliage will develop.

Christmas Flowers.—To have Narcissus, Hyacinths and other early bulbs in bloom at Christmas, pot them as soon as received in October, and after watering, place the bulbs in a rather warm, dark closet until well-rooted, bringing gradually to the light three or four weeks before you wish the flowers to develop. You can retard the development by a cool atmosphere and darkness, or advance it by heat and sunshine. Always keep the atmosphere moist, to prevent the buds from blighting. By properly managing the atmosphere and light, these bulbs may be brought into bloom at any time during the winter.

Non-blooming Rose.—A subscriber has had a Rose for three years, which grows thriftily but has produced only one flower. It is in a sunny situation and sandy, well-drained soil. The best thing that can be done for it is to apply a dressing of bone-dust or lime and stir it into the surface soil. This can be done at once, as it will tend to aerate and sweeten the soil by the time another growing season arrives. In the spring any dead portions that appear should be cut away, but do not prune the plant unnecessarily. It may be the plant has too much vitality. In that case a judicious pruning of the roots might tend to weaken the growth and develop buds.

STARTING ROSE CUTTINGS OUTDOORS.

ROSE CUTTINGS and cuttings of many other hardy shrubs may be inserted in a bed of sandy soil or almost pure sand, during the present month. Select a place on the south side of a wall or building, or where the bed will be protected from wind and storm. Make the cuttings from four to six inches long, cutting with a sharp knife just below the joint, and inserting almost the full length, leaving a single joint above the surface. In preparing the bed beat the sand with a block of wood until it is firm, then score a row with a case-knife, as deep as the cuttings are to be inserted, and after setting the cuttings, press the sand in about them,



ROSE CUTTINGS IN SAND.

and score another row. Such a bed need not be given further attention until freezing weather comes; then place a board frame around it to ward off the cold winds. If the climate is very severe a covering of coal ashes may be applied before Christmas. The ashes will not injure cuttings during cold weather, but should be removed in spring, before growth begins, care being taken not to allow the late frosts to injure the cuttings after the ashes have been removed. Some gardeners protect the cuttings with glass sash. This, however, must be managed judiciously to avoid injury from dampness or heat.

Tuberose Not Blooming.—The flower germs of Tuberose bulbs are very tender, and easily chilled or rotted. The bulbs should be kept warm and dry during winter, and care must be exercised in starting them in the spring, as a wet soil before growth begins, will rot the germ, and a chilly atmosphere will chill it, in either case causing the bulbs to be worthless. Bulbs bedded out should be given a rich, porous soil, and a sunny situation, and should be set five inches beneath the surface. When the buds begin to develop, a partial shade from the noon-day sun will be found beneficial.

Perennial Phlox.—Good varieties of Perennial Phlox can be obtained by sowing seeds. This should be done in autumn, shortly after the seeds have been gathered from the plants. When thus sown, nearly every seed will develop a plant, and if the mixture is good, a great variety of colors will be produced. The plants can also be propagated by division and by cuttings.

GRAFTING CACTUSES.

THE CHRISTMAS Cactus, *Epiphyllum truncatum*, can be grafted upon *Pereskia aculeata*, *Cereus MacDonaldii* and *Cereus triangularis*. When the plant is a foot high cut off the top, and cut out a wedge-like portion from the summit of the stalk; this done, take a scion from a Christmas Cactus, shave the base to wedge-like form and insert it, binding a little fresh moss around to remain until a union is effected, which will be in about three or four weeks, when the binding may be removed. If the *Pereskia* is a strong stalk, some side grafts may be inserted, which is done simply by making a sloping cut downward in the stalk, placing the graft within, tying up as recommended for the top scion. Several grafts of different colors may be inserted, if desired. The Christmas Cactus having a drooping habit will soon give the plant a weeping, tree-like effect, and when it blooms, during the winter, you will have a display of flowers that will be unsurpassed by those of any other plant.



CHRISTMAS CACTUS.

Woolly Aphis.—The Woolly Aphis is a pest that sometimes troubles plants. It can be eradicated by syringing with hot quassia-chips tea. Apply as hot as the hand will bear. If the plants are not too large, a pail full of the tea can be prepared and made considerably hotter. The plants immersed in this quickly, two or three times, will effectively destroy the pest. It is a well-known fact that the hand can be dipped in water almost boiling and withdrawn without injury: the same is true of plants. Some judgment must be used, however, as to the plants and the heat at which the water is used.

Prayer Bean.—The Prayer Bean is *Abrus præcatorius*, a pretty vine grown outdoors in western Florida and other warm climates. The vine will often reach the height of 40 to 50 feet. The seeds are bright scarlet with a black spot. They are very pretty and are sometimes used for ornament. In some tropical countries they are strung as beads and used in religious devotions, hence the name "Prayer Bean."

Propagating Wistaria.—Wistaria vines are easily propagated from seeds or cuttings. Seedlings will usually bloom when five or six years old, and plants from cuttings will bloom in from two to three years. The seeds are rather tardy in germinating, but will mostly germinate the first season.

SETTING HARDY PLANTS.

IN SETTING hardy herbaceous plants in autumn, it is well to remove most of the tops and heel the ground in firm about the roots. There is no danger of firming the soil too well. In setting a garden plant, set as deep as the plant was where it grew, but do not bury the crown, if it is a plant such as a Strawberry or *Potentilla*. If plants of this character are set deep, the moisture will rot the crown, and the plant will die. In starting shrubbery the same directions may be applied. The chief precaution is to firm the soil. Do not hesitate to use the heel and put the weight of the body upon the soil so as to make it solid and firm. At the North, when the ground freezes up, it is beneficial to cover the soil around the plants with coal ashes or stable litter. Plants requiring the crown more or less above the soil should not be covered. Protection for newly set plants of that character can be given by placing a board frame around the bed to ward off the cold winds, and if further protection is necessary, some leafless brush can be thrown over.

Wistaria Non-blooming.—A lady in Virginia writes that she has two Wistarias, twenty feet high, several years old, that have not bloomed. She wants to know why? It may be that they are seedlings, and if so, they will not bloom until five or six years old, unless the plants are grown in sandy soil and in a sunny situation. However, plants from cuttings will bloom more promptly. I would suggest that she give her plants all the direct sunlight possible, and stir some lime into the surface soil about the plants.

Grape Vines.—The best time to set young Grape vines is in early spring. Propagation may also be effected at that time, the prunings of the vines made in January or February being used. Make cuttings with two joints, place in soil almost their full length, the upper joint being just above the surface. Use sandy soil in a shady place protected from draughts of air. The cuttings will start during spring and summer, and will be ready to plant out another season.

Tulip Bed.—After Tulips are through blooming in the spring, and the foliage has faded, other plants may occupy the bed without detriment to the bulbs, such as *Verbenas*, *Petunias* and *Geraniums*, or whatever may be planted therein. If some seeds of *Petunia* are scattered over the bed after planting late in the fall, they will come on and completely cover the bed, beginning to bloom in July, and will continue to bloom until after frost.

Ferns in Winter.—As a rule, Ferns do well in the house if the atmosphere is kept moist and not too hot. The plants should be watered freely while growing, but sparingly when inactive. See that the soil is loose and porous, and the drainage thorough. Avoid direct sunshine.

EDITORIAL LETTER.

MY DEAR FRIENDS:— Another month has passed away, and again I have the pleasure of greeting you all through the columns of the Magazine. How beautiful the month has been! The big beds of Cannas and Dahlias and Salvias have been gorgeous, retaining their bloom and beauty at La Park until the present time. The glowing border of Petunias along the office front, appearing in a wonderful array of colors and variegations, is still attractive, and the row of giant-leaved Castor Beans that decorates the pathway to the arboretum near my home, are yet an object of admiration. Over in the garden the sweet and expressive faces that modestly peep up from the various Pansy beds never fail to elicit words of praise. The hardy Chrysanthemums in white and rose and red and yellow and bronze are becoming glorious. They seem as though they were trying to eclipse the scarlet of the Woodbine and Sumac, and the gold of the Poplars and Maples. Truly, autumn is a charming season, and not at all melancholy, as the poet would have us believe.



CASTOR BEAN PLANT.

what you see—spikes of Double Pearl Tuberose. The bulbs were planted late, during the month of June, being set five inches or more deep. The successful blooming of the bulbs may be attributed to deep planting. The bed is in full sunshine, but the soil about the roots was cool during the hot weather, and when the spikes developed there was support enough about the stems to hold them erect. Even heavy frosts do not injure the blooming stems or foliage, and the flowers perfume the garden air. Why are these lovely bulbous flowers not more popular? They are certainly worthy of popularity.

But let us look specially at a few things that are worthy of note today. Just beyond the Strawberry bed near my home I want you to notice the row of showy white spikes of bloom. As we go near, the fragrance, sweet and delicious, reveals

Just beyond the lakelet, on the edge of the upper garden is a tall telephone pole covered with a lovely green vine. You will be surprised to know the vine is a seedling *Wistaria magnifica*, set there as a small plant three years ago. It began at once to coil around the pole, and without any training it has gone



TUBEROSE FLOWER AND PLANT.

'round and 'round, developing new branches and forming a dense mass of pretty foliage. It has not yet bloomed, as it is in deep soil and partial shade, but other seedlings of the same lot, set in a sunny place have borne handsome clusters of purplish blue flowers, followed by the big, bean-like seed-pods.

And now we will pass on to the lower garden, for I want to call your attention to a clump of giant Grass, *Euchlœna luxurians*. It stands near the centre of the garden, and throughout the autumn has been a source of wonder and admiration. The leaves are long and narrow, not unlike those of Broom Corn, but the stalk branches freely, and the clump appears as a dense array of graceful, arching green leaves, everyone of which waves and rustles in the breeze. The clump is three feet across and six feet high, and of a rich



VIOLA ODORATA.

green color. Aside from the ornamental character of this plant, I believe it may prove desirable for fodder and forage, and if so, it would be very valuable as a farm product.

Near to this elegant grass is a clump of the most modest, and yet most charming of hardy flowers—*Viola odorata*. In early spring the

bright green foliage thickly bedecked with fragrant blue flowers claimed my attention and admiration, and now its spring beauty is repeated, only in a more elaborate way. How charming this little plant appears at this season. When the birds are singing their farewell songs, and the annual plants that we have tended and watched and admired throughout the season are yielding their life to the sway of King Frost, what cheer we find in the beauty of this little hardy flower! It is like a true friend who is kept in the background by modesty and quietude when the world goes well, but who comes forward in the hour of need, to cheer and brighten our life by kind words and ministrations, and inspire us with renewed courage and hope. Truly we adore this little Violet; and as it is readily started from seeds sown in autumn,



CALLIRHOE.

Grass is a trailing plant that shows elegantly cut foliage and an abundance of bright carmine, cup-shaped flowers, not unlike those of *Portulaca*, but larger. Every flower has a little "candle" of stamens and pistils clustered in the centre, and is borne on a long stem. That is *Callirhoe involucrata*. It is a hardy perennial that might be called everblooming, for it has been blooming freely since spring, and will keep in bloom until the ground freezes. It is easily raised from spring-sown seeds, and will bloom the first season. Should it not be better known?

Not far from these flowers are two little beds of *Anchusa*, and you could not fail to admire the plants of *Anchusa Italica*, now in bloom. The plants have narrow, rather attractive foliage, and the stem rises several feet, branching, and bearing scorpoid racemes of brilliant blue flowers with a distinct white eye, not unlike the *Forget-me-not*, its near relative. Started early in spring this *Anchusa* will bloom throughout the autumn, and its flowers are always admired. It was from this species that the *Dropmore* variety, so much praised, originated. Perry's Hybrid, another variety, I have found of little value, compared with the beauty of this species and the *Dropmore* variety. *Anchusa Capensis*, in the adjoining bed you will



ANCHUSA.

notice, has broad, coarse foliage, and there are no stalks of bloom as yet. All of the species of *Anchusa* produce honey-bearing flowers, and are valuable for bee pasture. All are easily propagated from seeds, which can be sown in spring or fall, where the plants are to bloom.

The icy hand of winter will soon cut short our garden work at the North. We will, therefore, finish the planting of our hardy bulbs, and when the ground freezes will mulch the beds with stable litter and bid the garden adieu until the opening of another season.

Florally yours,
LaPark, Pa., Oct. 16, 1912. The Editor.

Gloxinias and Begonias.—Gloxinias and Tuberous Begonias do well under practically the same treatment. They like a porous, sandy, well-drained soil, and in potting excavate a place for the bulbs, place the soil around, and allow half of the tuber to extend above the surface, watering somewhat sparingly. Sprinkle the foliage during clear days, but do not allow the sun to shine upon the plants until the water has evaporated. After the bulbs are in the pots, it is well to put the pots in a box, and fill in between with sphagnum moss. This will moisten the air and keep it cool, thus promoting the development of foliage and flowers. Never allow a draught of air to reach the plants to dry out and wither the foliage. The plants will do well on an eastern piazza if protected from the wind and hot sunshine. They are strictly summer-blooming plants and do well in pots. When cold weather comes and the tops fade and drop off, the tubers should then be dried off and stored in dry sand in a temperature of 50° Fah. Examine them occasionally during the winter to see that they are keeping, and early in spring repot them again.

Non-blooming Daffodils.—When Daffodils fail to bloom it is because the bulbs are not thoroughly ripened. The ripening is promoted by a sandy, well-drained soil and a sunny situation. Daffodils that have stood in one place for years will become so deeply imbedded in the ground and so densely crowded that they cannot mature, especially if the soil is of a clayey or tenacious character. To encourage blooming, remove the bulbs to a well-prepared bed, fully exposed to the sunshine, and see that the soil is sandy, porous and well-drained. Set them three or four inches deep, and about as many inches apart. When freezing weather comes, cover the bed with stable litter.

Chinese Hibiscus Buds Drooping.—Chinese Hibiscus thrives when the roots are not crowded. When the plants become pot bound, the buds are liable to drop before opening. The remedy is to repot the plant firmly in fresh, rich soil and apply a thin dressing of bone dust, working it into the surface. See that the drainage is good.

CHILDREN'S LETTER



MY DEAR CHILDREN:—On the 12th of October, just one week ago, I returned to the scenes of my childhood for a short visit to my brother, and to roam over the meadows and fields and mountains where I spent “Happy hours of childish glee, Hours that nevermore can be.”

I was anxious to see the mountains in their autumn glory once more, and gather nuts and wild grapes and the various fruits of trees, shrubs and flowers that are only to be obtained at this season.

As you may know, my boyhood home was in a beautiful narrow valley which got the name of Path Valley in pioneer days, because there was only a path through it, over which all the supplies of the first settlers were car-



THE CLEAR, RIPPING STREAM LONG AGO.

ried or “packed” upon mules or horses. A clear, rippling stream known as the Conococheague Creek, where long ago the Indians paddled their birch-bark canoes, runs through the Valley. Along its banks I have spent many a delightful hour fishing, gathering nuts and flowers, making whistles, bathing in its crystal waters, and studying the habits of the frogs and birds and squirrels that make their homes there in large numbers. The Valley is formed by two high, steep, rugged mountains, which are covered with a great variety of trees and shrubs and flowers. Here were Mosses and Lichens and Selaginellas: and here, among rocks and caverns and jungled ravines the wild deer, and fox and catamount and raccoon, then, as yet, found their homes. Here the Wild Turkey in flocks, the Pheasant and the big Hoot Owl are found, and the Chickadee and mountain song birds appear in great numbers. Here the Huckleberry, Juneberry, Fox Grapes and Chicken Grapes and Chestnuts abound. In the spring



SQUIRREL.

the Violets and Saxifrage, Anemones and Liverwort and Cypripediums and Goodyeras

are a glorious array of bloom; then come the Lupins and Habenarias, Desmodiums and Asclepias, Laurel and Azaleas and Rhododendron; while in autumn a host of the Aster and Sunflower families appear in rich tints of purple and gold, with other composite flowers of white and yellow, and pink and blue in dense array.

Can you imagine a place more attractive to the lover of Nature in its wild state? To me it is a Paradise, for in that sacred home spot I know every



BIG HOOT OWL.

cow path, every odd or picturesque or beautiful tree, and the haunts of the various native flowers. The pretty song of the dashing little streams as they hurry down the deep, shady ravines is sweet music to my ear, and the majesty and beauty of the solitude—the veritable temple of the Divine Being, where we realize, as nowhere else, His presence, His wisdom, and His power—is restful to the mind and food for the soul. Oh, those who do not know the charm of the mountain solitudes lack much of the sweet poetic sentiment of life.

The old Park homestead stands on the summit of a hill, and at the rear, is the meadow, through which the spring water flows to the tree-lined creek just beyond. Most of the trees along the bank are large, and some overhang the water, and are covered with dense masses of clinging Grape vines. The trees consist of Ash, Oak, Thorn, Linden, Elm, Sycamore, Walnut and the Shellbark Hickory which produces the nuts so highly prized as a sweetmeat and food. At the mouth of the

meadow stream is a Bitter-nut Hickory. This is a beautiful tree, dense and plummy in foliage, and fifty or sixty feet high. The nuts



DISH OF SHELLBARKS.

are small and thin-shelled, and the kernel is very bitter. Botanically it is known as *Carya amara*, but farmers often call it Pig Nut, probably because its nuts are only fit for pigs. The tree is handsome as a shade tree. It has no enemies, and is healthy and tenacious. I secured a lot of the nuts to plant, as there were many upon the ground.

The meadow stream is now used as a Cress pond, and besides the Cress there is a large patch of Calamus, and some groups of the elegant Cattail, *Typha latifolia*. The plants grow seven feet high, bearing immense, beautiful brown tails upon strong stems. Of these I secured some plants and tails, but had to use gum boots to reach them, for they were growing in a bog.

At the head of the spring, there is a cave

and a rocky precipice, where the crevices bear Columbine and Heuchera, and the rocks themselves are covered with Mosses and Lichens. Nearby were some plants of Euonymus that were a mass of red foliage and drooping pink arils or berries. How beautiful they were! I could not but look and admire. They were so handsome that I gathered some seeds to take with me. Among the rocks, also, were lovely vines of Moonseed, *Menospermum Canadensis*, bearing clusters of the seeds which I secured. I also found a Wild



ARILS OF EUONYMUS.

Cherry tree from which the leaves had fallen, but the big racemes of fruit remained, so abundant as to darken the tree. I gathered some of them too.

Upon the mountain side not the least attractive of the small trees or shrubs were the Flowering Dogwood, *Cornus florida*. The foliage was of a lovely red or bronze, and the clusters of ripe fruit were bright scarlet. The buds for next season's flowers were well developed, and of a silvery color. Among the beautiful trees the Cucumber Tree, *Magnolia acuminata*, is one of the finest. It had dropped its showy red fruit, and was losing its foliage. I gathered some of the fruits, but not to make "bitters," as the old settlers used them. The Frost or Chicken Grapes were abundant this season, and boy-like, I climbed a tree that was hanging full of splendid large clusters, and secured all I wanted. But I was unable to find any fruit of the Bird or Blue Grapes, *Vitis bicolor*. Black Walnuts were also plentiful and of good quality.

At one place I found a large group of Witch Hazel, *Hamamelis*, covered with ripe fruits, and at the same time showing its golden flow-

ers, which will be in full beauty until December. It is our latest blooming shrub, and when grown in a rather dry situation fully exposed to the sun it becomes a golden mass of flowers in November, after the leaves have fallen. Along a stream not far off were groups of our earliest-blooming shrub, *Alnus serrulata*, that were hanging full of tail-like buds ready to develop into showy, graceful flowers as soon as come the spring sunshine and showers.

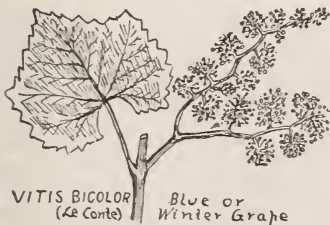
But I have, perhaps, told you enough for this time. I only wish, dear children, that you could be with me when I go for a mountain trip, for I know that you would all be amused and delighted with the curious and attractive things that Mother Nature has always in store for our inspection, our study and our use.

As ever your friend,
LaPark, Pa., Oct. 19, 1912. The Editor.

Starting Magnolias.—Japanese Magnolias are mostly grafted upon stalks of the common Magnolia, and plants thus started will bloom when quite small. They may also be started from seeds, as are our native Magnolias. The seeds are very slow to germinate, and will often remain dormant for two years before starting. Seedlings, too, often require ten years to become of blooming age. This, however, will depend somewhat upon the situation and the soil. The plants are difficult to transplant, and are mostly grown in pots and sold with the ball of earth attached, so as not to disturb the roots in removing. *Magnolia Soulangeana* is one of the finest of the Japanese sorts, and deserves a place at every home. The flowers come very early in the spring, before the leaves appear, are Tulip-shaped, of a purplish-pink color and freely produced. At the North it will be found well to plant it in a rather protected situation, as the south or east side of a wall or building.

Geraniums.—Most of the single-flowering Geraniums are desirable for winter-blooming. They should be potted in a compost of rotted sods, sand, leaf-mold and well-rotted manure, thoroughly mixed. Press the soil firmly about the plants in potting, and keep the soil moist but not wet. Give a sunny window, stir the soil occasionally, and enrich it by a surface application of a teaspoonful of phosphate or bone dust to each plant. If some sphagnum moss is placed over the surface soil, it will prevent rapid evaporation, and promote the healthy growth of the plants.

Seedling Pansies.—Pansies that have been started from seeds during the summer, should be allowed to remain where they have grown until spring, before transplanting. If the plants are in a box, it can be sunk in the ground or placed in a protected situation until spring. Do not attempt to winter Pansies in the house. The atmosphere is generally too dry and hot for them.



FLOWER DEVELOPMENT.

WHILE IN the city some time ago I attended a high-class moving picture show. We traveled down the Nile, saw the pyramids, stately camels, picturesque Palms, and a busy street scene in Cairo, all in colors, also a wonderful moonlight scene on the Nile.

But I thought of the many readers of Park's Floral Magazine, when I saw—what I had read of, but had never before seen—the process of development from bud to bloom of various familiar flowers. Roses, Carnations, Nasturtiums, Japanese Tiger Lilies, Easter Lilies, Iris, Pelargoniums, and I think a few others, were shown in perfectly natural colors, and so enlarged that one saw all the velvety beauty, the inner loveliness so often hidden to the careless eye. It was all simply exquisite, lacking only the fragrance, and I found myself heaving a sigh as of relief when the display was ended, so wrapt had been my attention.

Every movement of the plants during the process of unfolding was shown, and the way the dear flowers turn this way and that, nod and bow to each other is the sweetest thing imaginable. The movements are magnified so that one gains a wonderful idea of the beautiful process, and to me, it invested the flowers with far more character, dearly though I have always loved them. The movements of the Nasturtiums were particularly interesting, seemingly less stately, but more friendly than the others. It seems wonderful what a sense of personality the flowers have gained in my thoughts of them, and I am sure everyone who saw them felt much as I did.

Molly-Betty.

Los Angeles Co., Cal., Aug. 16, 1912.

Helichrysum.—The Helichrysum or Everlasting is a valuable flower to dry for winter. I have some flowers kept for a dozen years, and they are as bright as ever. The plants are very easy to grow. I plant mine in the open ground about the middle of May, and they bloom throughout autumn. The flowers are so pretty to make up with evergreens for Christmas decorations. S. T.

Washington Co., R. I.

Red Chrysanthemums.—We have the red Chrysanthemums in a bed by themselves. They grow about twelve inches high, and have a cluster of six or eight flowers on a branch. They are very nice when all of the other flowers are gone. Irene Spaits.

Manito, Ill.

Alyssum for Winter.—I take up nice young plants of Little Gem Sweet Alyssum for winter-blooming. If kept nicely trimmed, watered and in a light window, they will be white all the time, and make nice plants for the border in spring. G. C. P.

Morgantown, W. Va., Aug. 23, 1912.

ABOUT MIRABILIS.

THREE or four summers I have sown a border of Mirabilis (Four O'Clocks) above a stone wall. The soil is very yellow clay that was thrown up from grading around the kitchen porch, and used to fill in above the wall.

Quite a number of people told me I never would get anything to grow in such soil. The weeds even didn't grow in it. But one of my ideas is if you don't try you will not get anything to grow; and if you try your very best and fail, you can try something else. So I bought a packet each of Petunias, Nasturtiums and Four O'Clocks.

It was late in the season when I got them planted. I don't think one Petunia came up. A few Nasturtiums came up, and a few Four O'Clocks, but they did so well I took up some to bloom on the front porch. I saved plenty of seeds for the next year. I also bought one packet of Park's variegated foliage Mirabilis, and saved seed from all colors, for the next year, till now I have so many kinds I cannot tell you all of them.

Two beautiful red shades, two yellow, one white, one pink and white, and so many different pink and white ones, no two alike. When I look at my beautiful border, over fifty feet in length, I often wonder how many who grow them know you can take up the tubers and keep them year after year. One of my first plants I have had for four years. I have taken it up and wintered it with the Dahlias for three winters, planting it out without sprouting it in early spring. This spring it has several stalks that are three or three and a half feet tall, and has borne hundreds of flowers. I have so many I want to take up this year, so that I can have the same kinds next year. On cool days the flowers stay open till almost noon, and are very fragrant.

Where we live we can sow seeds early, if we can get our ground ready. This year it was after the first of June before I got my border sown. If I only had taken up a lot of tubers last fall they would have bloomed sooner. They have been in bloom for three or four weeks now, and will keep on till frost or very cold days and nights. We didn't have frost last year till the morning of Nov. 1st. G. C. P.

Monongalia Co., W. Va., Aug. 23, 1912.

[Note.—We all love the old-fashioned Four O'Clock or Mirabilis, not only because of its beauty and ease of culture, but because of the hallowed memories of home which it inspires. It is a flower that deserves more attention.—Ed.]

Impatiens Sultani.—This is one of the best house plants grown, always sure to bloom, and continues to bloom the year round if given proper care. It is easily injured by frost and over-watering, though it enjoys plenty of moisture; but when over-watered the leaves turn yellow and fall. It enjoys a rich, well-drained soil, and an even temperature. L. E. H.

Douglas Co., Oregon.

WHITE LILIES.

THE VERY THOUGHT of White Lilies conjures up something exquisite and ethereal. My earliest recollections linger about a large circular bed of mysterious loveliness of June Madonna Lilies, over which white butterflies hovered lovingly. They were of infinite beauty to my child's mind, and always in my garden making I have planned reaches of white Lilies. It has been the slow accumulation of years, but now I have my heart's desire of them. The long semicircular border of Fairy Lilies (*Zephyranthes alba*), which outlines, affords me infinite comfort. They bloom in a solid mass, several times a year, and each time are seemingly more lovely, taking one back to one's early youth, when all the world was spotless and as pure as they.

The circular green lawn, outlined with Giant Spider Lilies, is, on a moonlight night, when they are in bloom, something very fragile and airy, almost as though dainty white birds were fluttering above its green. And in the early spring the banks of silken white Iris are my choicest possessions. Satin sheen, and gossamer finest are these beautiful things, speaking of the freshness and joy of springtime as no other Iris does.

I have my beds of Madonna Lilies and of *Longiflorum* now, with all their fragrant whiteness, and I have, what is far more precious, the same delight and enthusiasm over over them I had when I first saw them as a child. And in my California Eden, instead of one *Calla* in a pot I have a hedge of them,

which at Christmas time, is a bank of heavy waxy whiteness entrancing to behold. Fall and winter time bring forth the *Crinum*s, too, the pure white being the loveliest of them all. And again, in the summer, a border of white Day Lilies and one of white *Tigridias* gives one new joy. They are so short lived, showing perfect each but a single day, that they are doubly precious.

And the whole year's riot of white loveliness is crowned in midsummer with the small bed of *Speciosum album*, that marvelous recurved Lily, which looks like white satin

spangled with dew-drops. Perhaps Heaven holds something more glorious than White Lilies, but of what it might be we can not conceive, for White Lilies are our touch of Heaven on earth.

Georgina S. Townsend.
Azusa, Cal

[Note.—We all have pleasant memories of the white Madonna Lilies that decorated the large central flower bed in the old homestead garden and regret that such scenes are no more. These Lilies in our Eastern gardens have been stricken by a blight that has ruined

their beauty. Spraying with Bordeaux Mixture at intervals of two weeks during early summer is recommended as a remedy, but is not always successful. The beauty of the flowers, however, is such as to justify an enthusiastic effort to overcome the disease.—Ed.]

An Everblooming Spirea.—If I were restricted to only one flowering plant, I think I would choose *Spirea Anthony Waterer*. The umbels of feathery crimson bloom are lovely, and on a well-grown plant are produced by the hundreds. It does not wait, however, to become "well-grown" to begin blooming, but begins in the spring, no matter how small, and continues all summer.

Natural Bridge, Ala. Mrs. Sallie West.



MADONNA LILIES.

EVENING BLOOMERS.

IF YOU WANT a fascinating corner, a bit of fairy land, a real garden o' dreams, try the evening bloomers. Select a part of the garden that may be fitted up with seats for the twilight hours. I promise that the family and the neighbors will gather there.

For a background, against a high fence, or a piazza, set two or three plants of Magnolia-flowered Moon Vine. No other sort will do. This has big disk-like white blossoms that open like fairy umbrellas, in the quickest and cutest way. It is the best vine for the place,



FOUR O'CLOCKS.

Next to this you want a long row of Park's Star Flower, and after that Four O'Clocks and Evening Primroses. Of the last two flowers there are many varieties, but all are good. I think of nothing sweeter than this corner in the soft summer moonlight. The flowers are all fragrant, possessing the strange, mysterious perfume of night blossoms. They are easily

grown, and in some neighborhoods the corner would be a novelty. All except the Moon Vines come from seeds.

E. F. W.

Iredell Co., N. C.

Note.—The evening Stock (*Matthiola bicornis*) and *Nicotiana affinis* are both desirable evening flowers, blooming freely and continuously, and the flowers emitting a delicious perfume. Both are easily grown from seeds.—Ed.

KING CACTUS.

I AM a great lover of Cacti, and at one time had 96 kinds. I had gathered them from all parts of the United States, and bought from every dealer in Cacti that I had ever heard of. Among them was a King Cactus. I obtained from a friend an old leaf that had blossomed, and they say if you plant a leaf that has blossomed in a year and a half, your leaf will blossom. I planted mine in very rich, porous soil, and it seemed as if before the summer was over every notch of that leaf had produced a leaf, and when it was a year and a half old, sure enough it had one of the largest double red flowers I think I ever saw. To me there isn't a flower that grows that is as interesting as a Cactus blossom. I could study it for hours, and then see something new. The next year it had a dozen out at one time, and went to decorate the church Children's Day, and every year thereafter for a good many years. Sometimes it had as many as 150 or 200 blossoms on it in a season, but one cold day it got a chill, from which it never recovered.

Mrs. J. E. Shaver.

Rensselaer Co., N. Y., May 27, 1912.

ROSE ACACIA OR SWEET PEA SHRUB.

SOME YEARS AGO I think I tried to describe to the readers of Park's Floral Magazine, the beauty of the Rose Acacia, (*Robinia hispida*) or Flowering Locust, as it is commonly called here. Therefore, I write this article for the benefit of the young floral sisters who have joined our ranks in the last year.

It was years ago that "John" was grafting apples in the southern part of this State. He brought home scions of the Rose Acacia, which he grafted into trees of our common White or Honey Locust. It was a new shrub here and was admired. This year, 1912, the trees were especially fine, with loads of the Sweet Pea-shaped flowers. The branches bore a solid mass of flowers, three feet long and fifteen inches wide, and so heavy as to break down the limbs of the trees. The blooms have no fragrance, but are rich pink and are of a waxy-like texture. They bloom four times a year, the last of May, June, July and August. As the blossoms fade, blossom clusters form on the new growth. The bloom stays perfect for three weeks, if dry weather, but if raining, they fade sooner. They never bear seeds. The scions are cut, in spring, from the wood, and are grafted exactly as apples are grafted. A straight growth of Honey Locust, four feet tall, is desirable for grafting, the top being removed and the graft inserted. They can be set out and grafted the same day. Some are afraid the Honey Locust will spread and become a nuisance, but they do not sprout from the roots. "John" has set out and grafted many in this vicinity. They should be set in the open. The leaves of the Sweet Pea Shrub are shaped something like the Honey Locust, but larger and darker green. The branches are covered with small red hairs. They have no thorns as the Honey Locust and make a beautiful show while in bloom.

Ima.

Geauga Co., O., June 14, 1912.

Note.—The Rose Acacia or *Robinia hispida* is readily grown from root cuttings or even from top cuttings, though it makes a more satisfactory growth when grafted upon a Honey Locust or the Black Locust. A specimen, which bloomed throughout the spring, is growing upon the Editor's grounds. Speaking of Honey Locust, the editor is reminded of the beautiful foliage of the species known as *Gleditsia triacanth*. Grown in a pot and kept pruned back, it is a very handsome foliage plant. It is perfectly hardy.

To Make Jonquils Bloom.—For many years my Jonquils failed to bloom, so I dug them out in the spring and set them where the sun shone on the bed all day. They improved in growth until the third year, when they bloomed freely. At the same time when I set the bulbs in the sunny bed, I set some where they were shaded, but they have not bloomed as yet. This information may be useful to those who fail with Jonquils or Narcissus. My Jonquils are of the double variety. Lake Co., O., Aug. 8, 1912. Mrs. F. Lapham.

THE RIGHTFUL PLACE.

WHENEVER I see plants out of place, doing their best in environment which make them unattractive, I always enjoy planning a good fairy act which will bring them into their own. We often see people to whom we would like to be the good fairy, and change them about until they were where they gave forth their greatest beauty. But we cannot play at fairies with people as we may with plants. Whenever I give a plant a new and better setting, I feel that perhaps I may be helping some of the misplaced friends I have; just how I could not exactly explain, but since I cannot help them, and yet want to, and can help plants, and do, I seem to get things a little evened up.

If I cannot help others, I surely can help the Dusty Millers on the east side, which have grown so large and look so ugly where they are. At the corner of the barn is a bed ten by six feet, with a trellis at the back to hide the manure pile from view. Cosmos and Nasturtiums last summer did not beautify this spot as I imagined they would, so I remodeled it. Against the trellis (over which I am training a vine) I put scarlet and yellow Dahlias, big, bold, brilliant ones; and in front of them, Golden Glow. Next a row of Apple Blossom Geraniums, then the Dusty Millers in front. The Geraniums bloom all the time, while the Dahlias and Golden Glow do not. But the big Dusty Millers against those pink Geraniums are charming. They hide the green of the Geranium leaves, and the Dusty Miller with its pale gray foliage harmonizes exquisitely with the pink blossoms. Then, just for a touch of more color, I put some purple Iris in front of the Dusty Miller, because when you are playing good fairy, give good measure. And now I feel so comfortable over not only that unsatisfactory corner, but that the Dusty Millers which were so ugly and are now so beautiful. So you see there is always the right niche for the right flowers. And so it is with people. Perhaps somehow, some way, some time, by this method, I may be helping those who are in the wrong niches to find their rightful places.

Glendora, Cal. Georgina S. Townsend.

Hiawatha Rose.—My Hiawatha purchased two years ago, bloomed abundantly this season, and was a beautiful sight. I would be happy if other Roses did as well for me as this beautiful climber. M. H.

Kings Co., N. Y., Sept. 24, 1912.

Grafting Tomatoes.—I have been successful in grafting Tomatoes on Potato vines. The experiment may be a novelty to some. Geo. H. Rupp.

Cumberland Co., Pa., Sept. 21, 1912.

CLIVIA AND PRIMROSES.

IHAVE a plant of Clivia Miniatum, purchased several years ago, that is a beauty and the only one I ever saw. I cannot understand why more of the floral sisters do not have it. It is of easy culture and when in bloom it is grand.

Another plant that I hardly ever see is the Hardy Primrose, of which I have a number of plants. The purchased seeds require from one to two years to germinate, but I save my



CLIVIA MINIATUM.

own seeds, sow them as soon as ripe, and they germinate promptly. The plants bloom in early spring and

show a great variety of beautiful colors.

I also have the tender Primroses, a dozen or more of fine plants. One has twenty bunches of pink blossoms on it, some plants have red flowers and some light shade with yellow eye.

I try some new seeds for plants every spring. This spring I sowed two new varieties of Hardy Primroses and seeds of a Begonia. Last year I sowed Palm seeds and have several plants, some with the third leaf coming. I think more of the plants that I raise from seeds than of those I purchase.

Last winter was a hard one on shrubs. Some Rose bushes that have been on this farm for fifty-five years, have been killed to the ground. Emma E. Head.

Forest Co., Pa., June 4, 1912.

Experience with Pyrethrum.

Some time ago I planted a packet of Pyrethrum seeds in the garden and not a seed came up. This spring I took my trowel and scraped up the dirt where I planted them, put it in a box, watered well, and in about a week a dozen plants came up. An old hen picked them off. I stirred the ground up well, and in a few days there were seven more. When these were large enough I transplanted to my flower bed. Now they are eight inches high and look like Ferns. Mrs. A. E. Wilcox.

Orland, Calif., May 8, 1912.

Note.—It is possible that the seedling bed was not kept moist enough to effect germination of Pyrethrum seeds, so they remained dormant. Too often lack of germination is attributed to the seeds being old. This writer's experience is simply evidence that, under better conditions, seeds that are thought to be worthless often prove to be good.—Ed.

Perennial Peas.—Perennial Peas are the best vines I have ever used to cover a fence or trellis. They are perfectly hardy, withstand severe drouth or extremely wet weather without showing the least effect, and from early spring until after frost bear large clusters of bright-colored blossoms continually.

Hopkinsville, Ky.

Mrs. Ina King.

GAILLARDIAS AND COREOPSIS LANCEOLATE.

WHY ARE these beautiful flowers so little known? I have grown them now for years, but never saw them in any garden but my own, and no one who sees them ever recognizes them. Yet they are two indispensables that no person who pretends to grow any flowers can afford to do without. In addition to their beauty, ease of culture, and long season of bloom, they are a fine cut flower, as they last a long time, and combine well beautifully with almost every flower that grows. They have long wiry stems, and add the touch of yellow



GAILLARDIA PLANT.

that some think every bouquet should possess to set off its other colors. Once planted they are with you for life. They do not live forever, but new seedlings will appear each year, enough to keep you supplied, and yet they will never spread to become a nuisance. Whenever I find a little plant in the spring I feel as though I had found a treasure, and transplant it carefully. I have only one variety of Gaillardia, but I find by studying my catalogues that there are others, so I sowed a packet of improved seeds last week, and shall anxiously await their blooming another year. They are low-growing, and just the thing to put in front of Hollyhocks, Delphiniums or Perennial Phlox. And they will bloom from early June until frost if you will do just one thing—every few days go over them with your scissors and cut off any faded flowers. If you neglect this, they will stop blooming. I would not like to choose between them for it would be hard to say which was the best. I hope I can always have both.

Mrs. E. B. Munny.

Ballston Lake, N. Y., Aug. 20, 1912.

Zinnias.—My Zinnias are magnificent, and the admiration of the neighborhood. I measured several of the blossoms today and found them no less than 4½ inches in diameter.

Bolivar, W. Va., Aug. 12, 1912. B. A. W.



COREOPSIS.

GERANIUMS IN CALIFORNIA.

WHEN I WAS a girl away "back East," someone told me how Geraniums grew to the second story "out in California." They do, but as a rule Californians do not raise choice Geraniums. I do not know why. There are miles and miles of hedges of the single or double scarlet; and banks and yards of the pink ivy, but my Aureole Geranium, which many call Apple Blossom, beside my library window, elicits more praise than almost any one plant I have in my gardens. It is quite six feet tall, and would climb upstairs if I did not prune it, and the bunches of blossoms are very large and exquisite in coloring. At another window my Rosebud Geranium has grown quite up to the roof.

Geraniums need more care than is generally given them in our sunny southland. They need plenty of water and pruning and as they bloom constantly, the dried blossoms must be snipped off regularly. Along in December when there is the only dearth of flowers in our twelve months, the scarlet Geranium hedges are splendidly brilliant. The Ivy Geraniums bloom the year around. There are three colors most often seen—the clear double pink, the deeper double rose, and the single lilac. In the Orange district, many ranches are embellished with a street border, or a drive border of Fan Palms and about the base of them are planted the pink and lilac Ivy Geraniums. They climb the rough body of the Palm and make a very handsome display, especially where the trees are planted on both sides of a boulevard for a mile as is seen. The Palms and Geraniums are irrigated and cultivated when the Orange trees are, which is once a month.

Pelargoniums, or Lady Washington Geraniums, do splendidly in California, and it is a wonder that so few varieties are seen. In both lines of Geraniums we cultivate less varieties than Easterners do, yet few plants make as brilliant a display for us as do these.

Georgina S. Townsend.

Azusa, Cal., Sept. 4, 1912.

Sunflowers.—Last summer I found some small Sunflower plants in a field and transplanted them to my garden. Today I took the plants down, and I must tell you that one was 12½ feet high and produced 30 flowers of various sizes, the largest being the size of a dinner plate. The leaves are 18 inches long and six inches wide. The plant looks just like a small tree, and so admired by everyone. Many said that it was the tallest Sunflower they had ever seen. Another plant was 10 feet high with 10 flowers, having dark centers. I must also speak of a Hollyhock grown by my aunt. It was 10 feet high and had very showy, rich flowers. It is the largest Hollyhock that I ever saw in Philadelphia.

Myrtle Quear.

Philadelphia, Pa., Sept. 11, 1912.

PLANTING FOR SUCCESSION.

IF YOU are starting a flower garden, and want it to have something in bloom from the time snow disappears in spring until it comes again in the fall, then you have some careful planning to do before you set spade in the ground.

For early spring blossoms you can have many kinds, or a choice of your favorites among the sturdy, fearless things that push up and bloom almost before the frost is out of the ground. Tulips, Crocuses, Hyacinths, Daffodils—these are but a few of the spring-flowering bulbs of which any seed catalogue can give you a complete list, with all the varieties of each, and directions for culture.

Violets and Pansies are early spring blooms too. These should be included in every collection of flowers, for the sake of their bright faces when later things are just beginning to wake up and grow.

A little later you can have flowers from a border of Pinks, the sweet, spicy kinds that your grandmother raised, and any newer ones that are hardy and desirable. There are a number of hardy shrubs that bloom in May—*Diclytra*, Mock Orange, Snowball, Bridal Wreath, and Iris is usually in full bloom then.



OLD-FASHIONED
PETUNIA.

For strictly summer-flowering a number of the annuals may be depended upon. *Portulaca*, *Petunias*, *Calliopsis*, *Snapdragon*, *Cornflower*, and many others. You can choose what you want most from a long list. All will bloom sooner if started indoors and transplanted when the weather will allow: but if you do

not care to do this, they will come in good time with the ordinary outdoors sowing and raising.

Many of your summer annuals will keep in splendid flower until frost, as *Salvia*, *Petunia*, *Portulaca*, *Cornflower*, and so on. For a late-flowering shrub, try *Althea*. When other things are done, these will show their beautiful flowers for weeks, along with the *Tiger Lilies*, and the *Aster* and *Cosmos* that will keep them company.

In arranging the various sorts try to have some of each on both sides of your garden. Then one side will not be aglow with color in spring and flowerless all the rest of the season; while the opposite is true of the other side when spring is done. Mix them in judiciously as to color and time of bloom: and try to have something in bloom on all sides, all the season through. This, if properly done, will give your garden a well-balanced appearance that it would lack with a more haphazard arrangement.

A well-arranged and planned border is perhaps the most satisfactory way of planting for succession. It does not break into your lawn; it can have the hardy, tall-growing

shrubs for its background, and in front of these, arranged according to height and color and time of bloom, can be planted the things that you select to keep up your succession of bloom. With a pretty, low edging, the whole can be a veritable bank of beauty, a delight to sight and smell, and with proper care and attention an ever increasing pleasure as the summer and other summers pass.

Ateo, N. J.

Cora S. Day.

[Note.—Six shrubs that will keep up an almost continuous display of flowers are *Alnus serrulata*, *Forsythia suspensa*, *Spiraea Reevesi*, *Hydrangea arborescens grandiflora*, *Hydrangea paniculata*, and *Hamamelis Virginica*. The bed or border of shrubbery, however, can be brightened when not in bloom by the use of the taller herbaceous perennials, such as *Hollyhocks*, *Heracleum*, *Crambe*, the taller *Rudbeckias*, *Eupatorium purpureum*, *Bocconia*, hardy *Asters*, and hardy *Chrysanthemums*. Of the shrubs named, *Alnus* is now in bud for blooming next spring, and *Hamamelis* is just coming into bloom, Oct. 21, 1912.—Ed.]

Hibiscus.—A plant with which I have been entirely successful this summer is the Peach Blow Hibiscus. I received the small plant the 8th of April. It was about six inches long, with one or two little broken leaves. I planted it in a vessel containing one gallon of soil, and as it was cool, I put it under glass for two weeks. It finally grew until I changed it to a bucket containing two and one-half gallons of soil, mostly rich soil from the woods. It is now over three feet high, with five branches from the body of the tree. It has one full bloom and twenty-three buds, and has bloomed constantly since the middle of August. One of the blooms measured seven inches across. The flowers are not so large now, but quite as lovely, as they are of a deeper hue. I have found that it loves sunshine and water.



HIBISCUS.

Colfax, N. C.

Regina R. Bowman.

[Note.—The Chinese Hibiscus is a fine evergreen, almost everblooming, and one of the most desirable of easily grown shrubs for summer and winter blooming, whether in a pot at the North or in the garden, South. Its merits as a decorative plant are not sufficiently recognized.—Ed.]

Perennial Peas.—I cannot speak too highly of Perennial Peas. Three years ago I bought some seeds and planted them in the spring. In two months they came up—such slender little things that I did not think they would amount to much. But the next year they were up strong and sturdy, grew ten feet high, and were filled with bloom. This year they were perfectly magnificent, eliciting the admiration of all beholders. Through July and August there were hundreds of large, rich clusters of flowers at a time from ten plants, and if I had not let seed on them I am sure they would have bloomed until freezing weather.

Seattle, Wash.

Mrs. J. M. Sill.

FLORAL POETRY.

A FLORAL TRAGEDY.

Sweet William grew so straight and tall
No wonder he grew vain!
Virginia Creeper, on the wall,
Looked down in high disdain.
Along the sunny garden path
Bloomed flowers sweet and fine;
Sweet William said: "Ah! not one hath
The grace of that fair vine."

The red Rose blushed in angry pride,
Her temper thorny grew;
"I'd have you know, fair sir," she cried,
"None share your point of view;
For I am queen of all the flowers
That deck this wondrous earth;
You ne'er will find in choicest bowers
One to exceed my worth!"

The Lily swayed with regal grace,
Her sweet breath filled the air;
She turned aside her fair, white face,
And said in proud despair:
"I, who have shared with royal Rose
A glory that is mine
By right of beauty, now must lose
My homage for—a vine!"



SWEET WILLIAMS.

And there beneath Sweet William's leaves
A modest flower grew,
With drooping head, as one who grieves,
And eyes of softest blue;
The Violet, so shy and sweet,
Bowed low with plaintive sigh—
"Ah me!" she breathed, "here at thy feet
I'd gladly live and die!"

But proud Sweet William scorned them all,
His eye forever turned
Where, clinging to the gray stone wall,
The vine his glances spurned.
"How dare you lift your eyes to mine!"
Virginia Creeper cried,
"Content forever you must be
With earth flowers to abide;

"But I reach out and up and on,
To climb is my desire;
I scorn to live the earth upon,
For my ambition's higher."
Then rustling in an angry mood,
A haughty glance she swept
Where all the lovely flowers stood,
And higher still she crept.

A cloud arose from out the west,
Portentous, dark and grim;
The lightning played across its breast
And fired its jagged rim;
The muttering thunder hushed the world
To silence fraught with dread;
The wind his monster-wings unfurled,
And on his mission sped.

Where proud Virginia Creeper clung
His rightful strength he bore;
Aside her leaves he roughly flung,
Her clinging hands he tore
With fierce insistence from the wall
And crushed her to the earth.
Then mocked her ignominious fall
With loud derisive mirth.

He smote the Lily to the dust,
Besmirched her leaves of snow;
"Pride hath its fall; 'tis only just,
To bring thy proud head low!"
Then, where the Rose in beauty stood,
He turned his blighting breath;
Her petals fell—like drops of blood—
To an untimely death.

Sweet William's stalk he snapt in twain,
As on his way he sped,
Fast followed by the pitying rain
That mourned the lovely dead.
And of them all alone unscathed,
With blue eyes sweet and wet,
Her low, green leaves with raindrops bathed,
Behold, the Violet!

Bolivar, W. Va. Blanche A. Wheatley.

A LAUGH.

I hear her laugh when earth with spring is wet,
I dream the valley keeps its echoes yet;
Her laugh, as comes the memory back to me,
Was clearer than the dew that shakes
In crystal drops from curling brakes
When the deep vale to dawning wakes.

Yet, as today I hear that laughter fall,
It seems its honey mingled is with gall;
Remembering how my hands have gathered Rue
Far from the place where once the Lillies grew,
The Lillies that we pulled—ah! once again
To hear her laughter echo down the glen,
My feet would leave these busy haunts of men,
And lessen distance by each gladdening mile,
Until my hands should rest on that old stile.

There, in the charmed hush of day-dusk hour,
There might I dream her face, as some sweet flower
Glowing in shadow, luring me to cross
The stile—but in the still green moss—
If once I leaped it—where meshed sunbeams lave,
Instead of laughter might I find a grave?

Cora A. Matson Dolson.

SCARLET POPPIES.

Pleasures are like Poppies.—Robert Burns.

Penciled the lines in delicate tracery;
In fiery dye, there's a subtle sorcery;
Touched by the lightest aerial zephyrs,
Carried abroad are the Lethæan odors.
To the weary child is borne the perfume,
And moved by the influence of the bloom
Forgotten are the fingers stained with toil—
Bound as by the subtlest of Circe's coil,
The past and the present are all the same,
To the land of dreams waft the flowers aflame.

O'er Oblivion's street rounds the rainbow shaft:
And near is the pot of gold at last;
Nepenthe's draught has a soothing power,
And find we the same in the scarlet flower.
The spell is brief of the sorcerer's charm,
We feel only for awhile its soothing balm.
Yet o'er our labor is a magical spell—
The gleam of the flower last full well.
But the petals fall; and the perfume goes;
We are back to our work, its joys and its woes.

Somerset Co., Me. Grace Evangeline Libbey.

BRIEF ANSWERS.

Kenilworth Ivy.—This is one of the best plants for hanging baskets. It likes shady places and will not mind a little chill.

Pæony Arborea.—The seeds of Pæony Arborea usually require from one to two years in which to germinate. They may be sown either in autumn or spring.

Sowing Seeds.—Impatiens Sultani plants can be readily grown from seeds, and also Chrysanthemums, both annual and perennial. The best time to sow the seeds is during the spring months.

Tropical Seeds.—Seeds of Banana, Camphor, Palm, etc., mostly require from three months to two years to start. Those who do not have a good supply of patience had better buy plants of these instead of the seeds.

Begonias.—Begonia semperflorens, in its many varieties, does well in a window in winter; also Begonia Weltoniensis. The former is easily raised from seeds, and blooms freely. All Begonias like a moist temperature. Avoid chills.

Propagating Clematis.—Most of the species of Clematis are propagated from seeds. Clematis Jackmanii is propagated by grafting and layering, as well as by seeds. The seeds often lie dormant for a year or more before germinating.

Geraniums.—A lady writes that she has a Geranium in a can with good soil and good drainage but it turns yellow and does not grow. It is possible that she waters the plant too much. A plant that is not growing should be watered sparingly.

Imperfect Roses.—When La Francé and other Roses are imperfect, it is often due to deficient drainage, causing the soil to be charged with acid. The remedy is to apply a dressing of quick lime, and cultivate the soil so as to allow air and sunshine to the roots.

Lace Fern.—Asparagus Plumosus must have a rest each season, and when it needs a rest it indicates it by the foliage turning yellow and partially dying. Set the plant away for six or eight weeks and water sparingly. After that, it will shoot up new sprouts from the roots and begin growing.

Acineta.—A subscriber asks about "Etanita." Doubtless the Orchid Acineta is referred to. It is cultivated in baskets filled with sphagnum moss, the plants growing through the bottom of the baskets. The species are found in Venezuela, and are yellow, chocolate and crimson in color. They are suitable only for hot-houses.

Gnats.—Little flies or gnats appear on plants when the soil is kept too wet or the drainage is insufficient, which causes the soil to turn sour, and makes a breeding place for these insects. The remedy is to repot the plant in fresh soil, or stir in some lime and sulphur and water with hot water until the water runs freely from the drainage hole in the pot.

Jasmine Grandiflorum.—Jasmine grandiflorum is a vine with beautiful compound leaves and clusters of white, fragrant flowers. It delights in a rich, porous, well-drained soil and rather sunny situation. In growing the plant, set it in a small pot at first and shift into a larger one as it develops. It should be given a trellis or some support as soon as large enough.

Raising Gladiolus.—Seedling Gladioli started in the spring will not bloom until the next season, unless of the early-flowering kind. It is better for the amateur to buy the bulbs, which can be obtained very cheaply, than to attempt raising the bulbs from seeds. Bulbets, which are found near the old bulbs in autumn, will mostly bloom the next season, under favorable conditions, if kept and started early in spring.

Brugmansia Suaveolens.—This is a greenhouse shrub, hardy in the far South, but must be grown as a pot plant at the North or given protection in winter. It bears long white, trumpet-shaped, fragrant flowers almost continuously. At the North it is well to bed it out during the summer, but it must be kept in a frost-proof place during winter. It will grow well in a good potting soil, but its roots should not be crowded.

Repotting Cactuses.—As a rule, Cactuses bloom better if the roots are crowded. There comes a time, however, when the pot becomes too small for the plant, and then it should be shifted into a larger pot. In doing so, use a pot two sizes larger and fill in around the sides with rich, sandy soil, making it firm by the use of a piece of lath. The best time for shifting is during the spring, before the pots are set in a sandy bed outdoors.

Carnations Rotting Off.—When Carnations are watered too freely they are liable to rot off at the base. This is mostly due to a fungus growth which attacks the plants. Carnations are also subject to an insect which works upon the stem near the ground and destroys the plants. Both of these troubles are aggravated by applying too much water, and to neglect in cultivation. A little lime and sulphur worked into the surface soil will be found beneficial.

Ophiopogon Variegatus.—This is a plant almost hardy, introduced from Japan in 1863. It has linear, variegated, green and white leaves, and spikes of pretty violet flowers freely produced. It should be grown in partial shade and in a moist atmosphere, in soil composed of sandy loam and thoroughly decayed manure, with good drainage. In winter give it a dry, frost-proof place and water rather sparingly. The plant should be potted in a small pot at first and then shifted into a larger one as it develops.

Grafting Roses.—Tree Roses, and many of the standard Roses, are propagated by grafting. The stock used, as a rule, is Briar Rose or Dog Rose, which is raised from seeds. This Rose is perfectly hardy, and a Rose budded upon it will endure winters that would be destructive, if some less hardy stock were used. The grafting is done in the spring of the year. The same stock can also be used for budding, the work being done in autumn. The grafting is done just as you would graft an Apple.

Flowering Maple.—A subscriber asks when the Flowering Maple or Hybrid Abutilon blooms, and if it has any special value. When properly grown it is one of the best plants for window decoration in winter. Abutilon Mesopotamicum, a slender-growing species, is found more desirable for the window than the bushy sorts, as it can be trained to a string or trellis, and occupies but little room, while it blooms throughout the winter months. It will thrive in an east window with but little sun, provided there is good light.

Althea.—Althea Rosea is the Hollyhock. Hibiscus Syriacus is a hardy shrub mostly known as Althea, but sometimes as Rose of Sharon. Rose of Sharon is also the common name for Hibiscus coccineus splendens, a herbaceous perennial, found in swamps along the Atlantic coast. The flowers of this Hibiscus are very large, ranging in color from white to crimson, sometimes self colored and sometimes with an eye; often called Crimson Eyed Hibiscus. All of these plants are of the Mallow family and the flowers resemble the Hollyhock in form. All are hardy throughout the United States and are of easy culture. Hibiscus coccineus splendens will bloom the second year from seeds, or the first year if started early. A mixture of seeds will show all colors from white to carmine.

About Lilies.—A subscriber in Connecticut, writes that she planted a number of Lilies two years ago but they are all dead now. They made a sickly growth for awhile, but finally died. This is a common experience with many of the Lilies, especially those of the rarer kinds. The following, however, can generally be depended upon: Liliun lancifolium rubrum, Liliun lancifolium album, Liliun tigrinum, Liliun elegans, Liliun longifolium, Liliun Browni, Liliun candidum, Liliun Canadense, Liliun tenuifolium and Liliun Auratum. The Auratum Lily is one of the most beautiful of Lilies. It does well for several years, but it is not as tenacious as the others. New bulbs must be purchased every two or three years to keep up the supply. The California Lilies rarely do any good in the East. Liliun giganteum, which is so highly praised for its beauty, mostly refuses to grow in the Eastern States. When the hardy Lilies become established they should not be disturbed for many years. The pretty Liliun Superbum, so common in the swamps of New Jersey, is also hardy and of easy culture.

A Fragrant Flower.—Mr. Park: I have a garden flower raised from mixed seeds that is puzzling the neighborhood, and I am at a loss to name it. Enclosed you will find a bloom and leaf. It has bloomed all summer, and is about 18 inches high. How shall I propagate it?—Mrs. Mokler, Wash.

Ans.—The plant is known as Sweet-scented Evening Stock, and is catalogued as *Matthiola bicornis*. It is a near relative of the Ten Weeks Stock and Wall Flower, and is an annual easily grown from seeds. It is not very showy, but is a favorite on account of its fragrance and continuous blooming.

Cross Fertilization.—Mr. Park: I understand that in cross fertilization the bloom of one flower is placed on the pistil of another, but I do not know how the pistil appears when it is ready to fertilize. Can you tell me?—Ira F. Franck, Franklin Co., Mass., May 20, 1912.

Ans.—In cross fertilization, a small camel's hair brush is mostly used. With this the pollen is taken from one flower and placed upon the stigma or tip of the pistil of another flower. This stigma indicates its readiness for the pollen by exuding a viscid fluid which makes it look shining or sticky. This will catch the pollen that is placed upon it. When a flower is to be fertilized, the operator should remove the anthers of a flower and tie a piece of tissue paper over it to prevent outside fertilization. He should examine this stigma to see when it is ready and then apply the pollen and recover the stigma to prevent other fertilization. In a few days the paper may be removed, if desired, but it is not necessary to remove it until the seeds are ripe.

Oxalis.—I enclose leaves of two plants. The smaller is called Shamrock and the larger Oxalis. The first has deep pink blossoms, while the latter has both white and pink flowers, the pinkish flowered plant being larger than the white flowered one. Can you tell me what these plants are?—Mrs. J. E. Haswell, Mich., August 12, 1912.

Ans.—From the specimens submitted, the plant called Shamrock is probably, *Oxalis Deppeii*, and the latter may be *Oxalis floribunda*, which is a desirable basket plant for the window, the flowers coming in pink and white clusters. The former develops from little bulblets crowded around a fleshy axis. The latter has fleshy, subterranean stems or tubers. Both are of easy culture. *Oxalis Deppeii* is exported into this country largely by Holland florists under the name of Shamrock, and several bulbs are placed in pots by florists to encourage development of foliage by St. Patrick's day, at which time the "Shamrock" is in demand.

Non-blooming Pæonies.—Mr. Park: I have a Pæony that shows from 10 to 15 buds every year, but none of them develop. They seem to dry up and do not open. How shall I treat it?—D. O. K., Pa., Sept. 7, 1912.

Ans.—If the plant is a Tree Pæony, the blighting is possibly due to frost, which kills the buds early in spring before they develop. If the plant is a Chinese Pæony, it is possible that the soil is charged with acid. To overcome the trouble with the Tree Pæony, place a box or barrel over the plant when there is danger of severe frost, or, at least, give some protection that will prevent injury to the buds. In all cases acidity of the soil can be overcome by stirring into the surface a dressing of quicklime, and the cultivation necessary in stirring in the lime will also tend to admit air and sweeten the soil. The lime will also be found to act as a fertilizer.

Petunias.—Mr. Park: One of my most vigorous double Petunias became drooping and every leaf on it had a withered look. I assumed that the pot was too small, and prepared to transplant it when I observed, half under the soil, a peculiar greenish-white growth, which I took to be a new sprout of Petunia. In transplanting, however, the loose soil fell away from the stalk, and I saw that the growth was not a part of the plant, but attached to it like a parasite. I detached it and found it to be a vegetable growth, peculiarly crisp. Where it had been attached the stalk was slightly detached and withered, and the plant is now drooping and I doubt if it will survive.—Mrs. P. M. Ruleau, Neb.

Ans.—Plants will occasionally develop a cankerous growth, often due to the sting of an insect or some injury to the roots or branches. Such growths are not common, and there is no special remedy for them. The inquirer might grow 100 Petunias again without one of them being affected in the manner

complained of. As a rule, seedling Petunias are more healthy than those grown from cuttings, and it is possible that the plant in question was started from a cutting, and so the continuation of a plant several years old.

Sweet Peas.—I cannot grow Sweet Peas because of a green aphid which covers the plants when they reach the height of 18 inches and begin to bloom. They soon dry off and die. We have syringed them with various thins and used powders, but for several years we have given up their culture. What treatment should we give the plants?—Mrs. J. L. Jones, Chicago, Ill., Aug. 4, 1912.

Ans.—As a rule, Sweet Peas are sown early in trenches and covered lightly. As the plants begin to grow, the soil is hoed into these trenches from time to time, as the plants develop, until the trench is filled and even with the surrounding surface soil. As soon as the trench is full, place cut tobacco stems thickly over the soil. Every time it rains or every time the plants are watered, a steam or moisture will arise from the tobacco stems, which will destroy any insects that may be lurking about and prevent them from becoming injurious. If there is a possibility of insects attacking the plants when they become large, it would be well to weave a few tobacco stems into the trellis upon which the plants are to climb. This will be found an effectual remedy, as tobacco, in almost any form, is death to aphides and nearly all injurious insects.

Seedling Calla.—Mr. Park: I have a seedling Calla a year old with two leaves on it. When the second leaf develops the first leaf turns yellow and dies. How shall I treat it, and how old must it be to bloom?—Mrs. J. C. O., N. Y.

Ans.—It is possible that the soil is kept too wet and has become sour. It would be well to repot the plant in fresh, porous compost, with good drainage, setting it so that the tuber is not more than one-half inch above the surface. Press the soil firmly and keep well-watered after the plant begins to grow. If the plant has been active for several months, give it a rest by withholding water and keeping in a cool, frost-proof room or cellar for six or eight weeks. When brought into activity again it will grow thriftily. Seedling Callas are not difficult to raise, but young plants will not bloom until three or four years old. The proper way to raise them is to sow the seeds in spring, and when winter comes dry the plants off and keep in pots until spring, then bed them out in a rather shady garden bed and water freely while growing. By autumn the tubers will be large enough to winter safely in a dry state, and in a temperature of 50°. Then they can be bedded out again the following spring.

CORRESPONDENCE.

From Idaho.—Mr. Park:—This summer I have had such pretty Sweet Peas of all kinds, and my Poppies were beautiful. A bed of mixed seeds was a source of much pleasure. My neighbors have enjoyed my flowers also, as I have given many bouquets away during the summer. I have lots of Narcissus bulbs, having lifted them and of the good ones I counted 19 dozens. I have the Star of Bethlehem in abundance, and also many other kinds, though I am unable to get many. I love flowers, and would live outdoors with them if I could, but I have three little folk and cannot afford many flowers. Mrs. Lora Moje.

Rathdrum, Idaho, Sept. 16, 1912.

EDITORIAL NOTICES.

Heaven and Our Sainted Ones.—The editor of the Western Christian Union, Rev. E. W. Pfaffenberger, Boonville, Mo., has issued a little pamphlet under this heading which is designed to comfort those who are bereaved of loved ones. Price 10 cents.

Music.—I made mention, last month, of two songs entitled "That's Why the Bells Are not Ringing" and "Our Nation's Emblem," both words and music by Mrs. Lizzie Mowen. The former is an inspiration written from a true story and is suitable for church or refined entertainments. The latter can be used for all patriotic occasions. Mrs. Mowen writes that she will send both songs, postage paid, for 25 cents until December 1st. Her address is 383 South Front St., Columbus, Ohio.

CORRESPONDENCE.

From New York.—Mr. Editor and Flower Folks:—I have been an invalid for six years, and this is one of my blue days, so I write a few lines to divert my mind. I appreciate the Magazine very much; the cultural directions and plant descriptions are so plain that a child can understand them. I find the Children's Letters and the Correspondence very entertaining. Few persons realize how cheering a post card or a letter is to an invalid, especially when the thermometer is down to zero. I shall appreciate correspondence with persons living in the South who can write to me occasionally during the winter.

Mrs. J. E. Shaver.

West Sand Lake, N. Y., Sept. 18, 1912.

From Georgia.—Mr. Park: I have greatly enjoyed the various letters from the flower folks published in the Magazine, and I will tell you about my garden.

I live in a little inland town, nine miles from the railroad. We have the joys of good wholesome living, and I have a pretty yard all the winter except the two or three coldest months. The Violets are the first flowers of spring, then come Jonquils, Daffodils and Hyacinths. My Hyacinths are very fine, the trusses being from 12 to 14 inches, each bearing from 25 to 35 bells. My Lemon Lilies are lovely. I have many plants and they perfume the place for one hundred yards. Roses do well here and I have quite a variety, including five plants of Clothilde Soupert, which bloom almost constantly; and the bed of white and blue Iris is quite showy as well as fragrant. Besides these I have a large collection of annuals, grown from seeds, which keep up a constant display throughout the season. There are many shrubs as well as bulbous plants that do well in this warm climate, but I will not mention them now,

Mrs. K. G. Mixon.

Palmetto, Ga., R. 2.



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5988.—Misses' and Small Women's Dress, with Six Gored Skirt. Cut in sizes 14, 16 and 18 years. Size 16 requires 7 yards 27, or 5 1-2 yards 36 inch goods; 1 1-8 yards 24 inch contrasting goods goods. Price 15 cents with Park's Floral Magazine.

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5937.—Ladies' and Misses' Nightgown, Long or Short Sleeves. Cut in 8 sizes, 30 to 44 inches bust measure. Size 36 requires 4 1-4 yards 36 inch goods, 1 yard beading, 2 yards ribbon. Price 15 cents with Park's Floral Magazine one year.

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As it is impossible for us to show each month in our Fashion Pages all the practical styles for Ladies, Misses and Children's clothes, we have had published a book on dressmaking called **Every Woman Her Own Dressmaker**, which tells how to make all kinds of garments from a corset cover to a full costume. The regular published price of this book is 25c. It is printed in colors and illustrates over 200 of the best styles. Sent postage prepaid with Park's Floral Magazine one year for 15 cents. Every woman who sews should order a copy of this excellent Fashion Book. Address all orders to Pattern Department, Park's Floral Magazine, La Park, Pa.



4682.—Ladies' Dressing Sack. Cut in six sizes, 32 to 42 inches bust measure. Size 36 requires 3.4 yards 36 inches wide, 3 yards insertion, 3.4 yards edging. Price 15 cents with Park's Floral Magazine one year.
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4635.—Boys' Shirt-Waist Suit. Cut in sizes 4, 6, 8,

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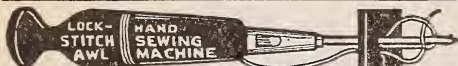
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CHILDREN'S CORNER.

Dear Mr. Park:—Mama has taken your Magazine for a long time and I wait for it every month. I read the Children's Letters. I am 11 years old and live in the country. I have a pretty flower garden and love all my flowers. I have two pets, a Shetland pony and a little white dog. My Mama has nine Canary birds and two tame Lin-nets. Dolores Lanini.

Lobeta, Calif., Aug. 4, 1912.

Dear Mr. Park:—We do not take your Magazine, but are going to subscribe in a few days. We received a sample copy and think it fine. I am a farm girl 17 years old and have dark hair and eyes. I love flowers, but am especially interested in Easter Lilies at present. Would some one please write me about their culture. I guess you have heard enough about the West, so will not describe it further. Would like to exchange postals and letters with both boys and girls.

Vernal, Utah, May 22, 1912. Emma Sweat.

Dear Mr. Park:—I am 12 years old and live on a farm. Mama has taken your Magazine ever since I can remember. We like it very much. I would like to receive lots of cards; I will answer them all. We have two pigs, one dog, a little kitten and a horse. I have a flower bed from the seeds we received from you in the spring. I like flowers very much. I am your little friend.

Marie Anna Sirois.

Cherryville, Oregon, June 1, 1912.

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When I say: "Hello, Mike!"
He knows and nods his head.

No brothers—yes, nor sisters,
Has Mike ever seen;
And if he were a lady bird,
Why I should feel quite green.

Geauga Co., O. "Ima,"

CHILDREN'S CORNER.

Dear Mr. Park:—My mother has been taking your Magazine for three years and I like to read the Children's Corner. I love birds and flowers. I am 10 years old. I have no cats, but there is one comes often. Some little birds nest in the eaves or our house and when that old cat comes over to our house she tries to get the little birds. I think it does not look right to cage a bird or any little animal. Osie Record.

Chickshaw, Okla., July 13, 1912.

Dear Mr. Park:—I am a little farm girl 12 years old and in the eighth grade. I love all kinds of flowers. I have a piano and organ and can play on both. I have a large Shepherd dog. Mother takes your Magazine and we like it very much. We have many pretty song birds around here, but the Sparrows are so bad that they are driving them away. Ethel Beachley.

Middletown, Md., July 20, 1912.

Dear Mr. Park:—I am a farmer's daughter. I am 13 years old. My brother takes your Magazine. I read it and like it very much. I am very much interested in flowers. I have a flower garden of my own. My mother has many house plants of various kinds. My father has one-half acre of strawberries. We have lots of chickens. They are all pure bred Plymouth Rocks. I go to school every day. I have two and a half miles to walk. Ruth Sellers.

Loomis, Wis., June 18, 1912.

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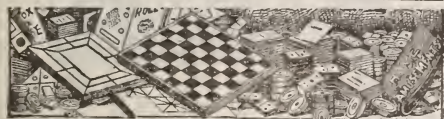
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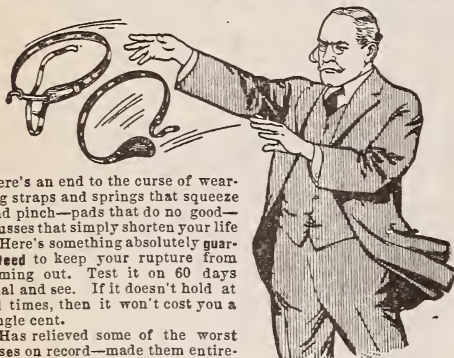
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SUNFLOWER SONG.

[Note.—Mr. Editor: Here is a Sunflower song which I "made up" for my little girl. She likes it so well I thought perhaps the other Floral Magazine babies might like it too.—Mrs. W.]
Sunflower, Sunflower,
What makes you grow so tall?
"Been peeping at the chicks in the neighbor's yard,
Over the garden wall."

Sunflower, Sunflower.
What makes your leaves so green?
"Been growing in the soil all the days of my life,
It's rich and mellow, I ween."

Sunflower, Sunflower.
What makes your beard so yellow?
"Been flirting with the moon on fair summer nights,
Ain't I a jolly old fellow?"
Natural Bridge, Ala. Mrs. Sallie West.

CHILDREN'S CORNER.

Dear Mr. Park:—I have taken your Magazine and like it, especially the Children's Letters. I have a little flower garden this year, containing Poppies, also Petunias, etc. I planted Old Maids, Little Star and Carnations, but they did not come up. Postals exchanged.

Marietta Almond.

South Haven, Kan., R. 3, Aug. 12, 1912.

Dear Mr. Park:—Mamma takes your Floral Magazine. I like it very much. Mamma has some very pretty flowers from your house. I like the birds very much and don't like to see them killed. One has built its nest and raised its young in our Honeysuckle. I am a little boy 10 years old. I help Mamma with the flowers and water them every evening.
Stockdale, Tex., June 21, 1912. Willie Clay.

Dear Children:—A few days ago while walking by the roadside I found a Snipe that some wicked or mean boy had shot and broken its wing. As it was unable to fly I caught it and brought it to my home, and carefully bandaged its wing in such a way I hoped it might regain its use, and as I did not know what kind of food it ate I had to give it its liberty, as I feared it would starve to death if I kept it for a pet. Now, children, think of the suffering that poor little bird had to endure, and probably may have died, even after all my care, and all caused by some boy having what he called "lots of fun" shooting Snipes. A bad boy with a gun does more harm to the birds than the cats, for cats always kill, thus ending the suffering; but when shot and injured the birds hide away and slowly die in pain, perhaps weeks after they are shot. And yet some call it sport to injure the beautiful birds and cause so much suffering.
L. E. H.

Douglas Co., Oregon.

[Note.—Snipes live upon insects, crawfish, frogs, etc. Occasionally one visits the lakelet I refer to in my children's letter in last month's number of the Magazine, and helps himself to a frog.—Ed.]

Want Luxuriant Hair?



DOLLAR BOX FREE TO YOU

Let us prove to you that Koskott Method for the Hair is genuine and scientific. We will send you a **DOLLAR BOX** out of the Koskott Triplex Treatment **FREE**. Our Method is directed at removing the cause, and opening the closed follicles so that the hair roots which are not dead, but dormant, (like a tulip bulb or grass seed in a bottle) are given fertility and a chance to grow. Our Method is purposed to **MAKE GOOD**. Read our **TEN KOSKOTT LABORATORY, 1269 Broadway, New York, N. Y.**

DOLLAR GUARANTEE. Koskott is for men's women's and children's heads, to clear scalp of dandruff, stop falling hair and to promote growth of new hair. We especially want you to answer this adv if you have wasted time and money in liquids, washes, soaps, etc, which accomplished nothing. We want to surprise and delight you. Send only 10 cents (silver or stamps) to help cover actual advertising cost and we will mail the **\$1.00 Box absolutely free**, with book and proofs, postpaid, in plain wrapper. Address: **1269 Broadway, 360 M. New York, N. Y.**

Greatest Nerve Vitalizer Known

A 50c BOX FREE

A Recent Discovery. Kellogg's Sanitone Wafers, the Most Effective Nerve Strengtheners Ever Found by Science. 50c Trial Box Sent Free to Any Man or Woman to Prove Its Remarkable Results.

This is the world's newest, safest, most reliable and effective nerve invigorator, revitalizer, brain awakener, body strengthener, without equal in the world's history of medicine. It brings about a change from that awful, dull, weak, lazy, don't-give-a-hang feeling to brightness, strength, clear-headedness and courage which is remarkable. Its results are better than you would obtain from a two-weeks vacation on a farm.



**Kellogg's Sanitone Wafers Make You
Feel Fine All the Time.**

This change comes rapidly. The results are lasting. It is absolutely safe, containing no injurious ingredients whatever. **Absolutely different from anything that has ever before been used for nerves.**

A high medical authority says: "In the forms of neurasthenia it deserves the unique position of being the **only** treatment which is **curative**, dispensing with all treatments of rest, travel, diversion of mind, dietetics and physico-mechanics."

Every man and woman suffering with fagged, weak nerves, nervous prostration, excessive nervousness, brain fag, insomnia, neuralgia, low vitality, general weariness, loss of strength and weight or any condition which arises from poor, weak nerves, may now get "nerves of steel," clear head, courage, power, quick wit, energy, by tak-

ing this great discovery, Kellogg's Sanitone Wafers.

FREE.

Prove the results of this great discovery for nerves, **FREE**. It speaks for itself. A 50c trial box of this great nerve awakener will be sent free in sealed wrapper, by return mail, to every man or woman who sends his or her name and address, as instructed below. Do it today. A revelation is in store for you.

FOR MEN.—Nerve force gone! You are what your nerves are, nothing else. If you feel all run down from overwork or other causes, if you suffer from insomnia, "caved-in" feeling, brain fag, extreme nervousness, peevishness, gloominess, worry, cloudy brain, loss of ambition, energy and vitality, loss of weight and digestion, constipation, headaches, neuralgia, or the debilitating effects of tobacco or drink, send for the free trial box of Kellogg's Sanitone Wafers.

FOR WOMEN.—If you suffer from nervous breakdown, extreme nervousness, "blue" spells, desire to cry, worry, neuralgia, back pains, loss of weight or appetite, sleeplessness, headaches, and constipation, and are all out-of-sorts, Kellogg's Sanitone Wafers will make you feel that there is more to life than you ever realized before. Send today for the free trial box.

No more need of dieting, diversion, travel, tiresome exercises, dangerous drugs, electricity, massage, or anything else—Kellogg's Sanitone Wafers do the work for each and all, give you nerve-force and make you love to live.

A 50c trial box of this great discovery will prove that they do the work. They are guaranteed—every wafer. Send your name and address today for the free 50c trial box of Kellogg's Sanitone Wafers, to F. J. Kellogg Co., 1657 Hoffmaster Block, Battle Creek, Michigan, in the city of peace, happiness and health.

FREE 50c BOX COUPON.

F. J. KELLOGG CO.,
1657 Hoffmaster Block,
Battle Creek, Mich.

Send me by return mail, free of charge, a 50c trial box of the wonderful discovery for nerves, Kellogg's Sanitone Wafers. I enclose 6 cents in stamps to help pay postage and packing.

Name
Street
R.F.D.
City State

Cancer—Free Treatise.

The Leach Sanatorium, Indianapolis, Indiana, has published a booklet which gives interesting facts about the cause of Cancer, also tells what to do for pain, bleeding, odor, etc. Write for it today, mentioning this paper.

Health? Take Turkish Bath at Home—Only 2c

Physicians are abandoning drugs for this new treatment. If your mind or body is tired, or you have rheumatism, blood, stomach, liver, kidney and skin troubles, open your pores, and feel the rapid change in your condition, at cost of 2c a bath.



The Robinson Bath Cabinet is the only scientifically constructed bath cabinet ever made for the home.

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Write today. Agents wanted.

ROBINSON MFG. CO.,
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I WILL GET RID OF YOUR CATARRH

I Want to Prove to You the Amazing Power of the Great Luxor Treatment—Nothing Like It Yet Known—Send Free Coupon Below Today.

Don't Be Discouraged if You Have Catarrh. No More Need of Suffering. Use the Wonderful Luxor Treatment.

I want you and every other man and woman to experience the remarkable results of my Luxor Treatment on any and every form of Catarrh, no matter how serious or chronic it may be.

Its results on cases of catarrh which have been chronic for years and years, on nose stoppage, spitting, gagging, hawking, throat droppings, bad breath, loss of appetite from catarrh, catarrhal headaches and deafness, bad colds and other symptoms and results of catarrh have been phenomenal. I will prove it in your case.

E. J. Strow, Fort Dodge, Iowa, says: "It works like magic, and I believe you will do more good with it than has been done by the thousands of doctors who ever lived."

C. A. Cink, Auburn, Ind., says: "To think that I have tried over fifty remedies with no results, and that your Luxor Treatment should knock out that terrible affliction in so few days, is really hard to believe."

The Principal of the Washington Grade Public School, at Washington, Tex., says: "I saw your Luxor cure for Catarrh, asthma, etc., recommended as the twentieth century marvel. I had suffered thirteen years with catarrh. I used it about two weeks, and was completely cured."

Still more remarkable is the fact that the Luxor treatment contains no cocaine, morphine or drug of the dangerous "deadeners" used at the present day. It has done away with all long-time treatments, jellies, bulbs, ointments, etc. It is safe. You feel its effects at once.

Don't miss this opportunity. Send the free coupon below today, with your name and address.

FREE CATARRH COUPON

C. H. Curtis, Box 192 K, Chicago, Ill.

Dear Sir:—I have Catarrh and other nose and throat trouble and want to be cured right off. Tell me how to do it at once, free of charge, and by return mail.

Name.....

Address.....

City..... State.....

EXCHANGES.

Ger., Verbenas, Phlox, wild flowers, etc., for wild flow's, Jos. R. Munbauer, 388 Main St., Pennsburg, Pa.

Imantophyllum plants for rare shells or hardy bulbs. L. M. Davis, 97 Hastings St., Lowell, Mass.

White Fairy Lilies for pink or yellow ones, Tigridias, Ranunc's & Anem. G. S. Townsend, R. 1, Azusa, Cal.

Cannas or various seeds for hardy Candidum, Rubrum or Auratum Lily bulbs or Gladiolus. Mrs. D. Collins, 6028 Michigan Ave., Chicago, Ill.

Hollyhock, Zinnia, Touch-me-not and Poppy seed for Pansy, Sw. Pea, etc. Mrs. I. Holt, R. 2, New Hill, N. O.

Strawberry plants, Grape Vine cuttings for Cherry, Pear or Quince trees. Mrs. E. M. Hill, Seville, Ga.

Gladiolus, Jack and the B'stink, and flow'r s'ds for A. Ferns, etc. Geneva Wallace, R. 4, Greenback, Tenn.

Sweet scented Cape Jasmine, etc., for Roses, bulbs, Geraniums, etc. E. B. Trickey, R. 4, Waycross, Ga.

DEAFNESS, HEAD NOISES

At last you may rejoice in a speedy and lasting cure. Unlike others. Wonderfully successful. Book Free. DR. G. E. COUTANT, P. O. Sta. E, 270 A, New York, N. Y.

Perfect Your Figure
LET ME SEND YOU "AUTO MASSEUR" ON A 40 DAY FREE TRIAL BOTH SEXES
So confident am I that simply wearing it will permanently remove all superfluous flesh that I mail it free, without deposit. When you see your shapeliness speedily returning I know you will buy it. Try it at my expense. Write to-day.
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RUPTURE SUFFERERS AHoy!



Let an old sea-captain's experience be of aid to you. My book will be sent which tells you all about how I was badly ruptured, how I tried trusses, etc., in vain and how, after all was said and done, I got hold of something which quickly and permanently healed me. If you want to be rid of rupture, lengthen your life and enjoy contentment, just write me for my book. I want you, like many others, to afterward write that you are deeply gratified at having found a true cure at last. Address: Capt. W. Collings, 52F, Watertown, N. Y.



How to Treat a Goiter


Dr. M. C. Munn, recognized as the leading authority today on treatment of goiter, wants every sufferer in America to send for a free copy of his latest book containing a practical and scientific discussion of the subject of goiter and its modern safe treatment. This book tells you how to reduce your goiter without pain or operation. This book is a scientific treatise in plain, simple language.

Great Goiter Book Free

You should certainly send for this helpful book. It is postpaid, free, to you. Send for it before you do another thing. Read it and you will know how to decide what you should do. It costs you nothing to get this book and it places you under no obligations whatever. It is absolutely free to you. Just send your name and address. Send NOW. Write TODAY.

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Costs little, no plumbing, little water. Weight 15 pounds, folds into small roll. Full length baths, far better than tin tubs. Lasts for years. Write for special agents offer and description. Robinson Bath Cabinet Co., 114 Vance Street, Toledo, O.

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REMEDY sent to you on Free Trial. If it cures, send \$1.00; if not, it's FREE. Give express office. Write for your bottle today. W. K. Sterling, 881 Ohio Ave., Sidney, Ohio

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Wanted for Government Positions. \$90 month. Annual vacations. Short hours. No "layoff." Common education sufficient. Over 12,000 appointments coming. Influence unnecessary. Farmers eligible. Send postal immediately for free list of positions open. Franklin Institute, Dept. G 126, Rochester, N. Y.

This Wife and Mother

Wishes to tell you FREE How She Stopped Her Husband's Drinking

By all Means Write to Her and Learn how She did it.

For over 20 years James Anderson of 232 Elm Ave., Hillburn, N. Y., was a very hard drinker. His case seemed a hopeless one, but 10 years ago his wife in their own little home, gave him a simple remedy which much to her delight stopped his drinking entirely.

To make sure that the remedy was responsible for this happy result she also tried it on her brother and several of her neighbors. It was successful in every case. None of them has touched a drop of intoxicating liquor since.

She now wishes everyone who has drunkenness in their homes to try this simple remedy for she feels sure that it will do as much for others as it has for her. It can be given secretly if desired, and without cost she will gladly and willingly tell you what it is. All you have to do is write her a letter asking her how she cured her husband of drinking and she will reply by return mail in a sealed envelope. As she has nothing to sell do not send her money. Simply send a letter with all confidence to Mrs. Margaret Anderson at the address given above, taking care to write your name and full address plainly.



GET RID OF THAT FAT



FREE TRIAL TREATMENT sent on request. Ask for my pay when cured offer. My treatment reduces you at the rate of a pound a day. No dieting, no exercise, absolutely safe and sure method. Let me send you proof at my expense. DR. R. NEWMAN, 58 Second Ave., New York City, Desk 8. Licensed physician State New York.

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Your choice of 150 premiums for selling our Keystone GOLD EYE NEEDLES at 5c a package. With every two packages we give absolutely FREE a Silver Aluminum Thimble. WE TRUST YOU and send, postpaid, 24 needle packages and 12 thimbles with LARGE PREMIUM BOOK. When sold send us the \$1.20 and receive premium entitled to select from premium list. Extra present Free if ordered today. A post card will do. Address Keystone Novelty Co. Box 134, Greenville, Pa.



Rheumatism A Home Cure Given by One Who Had It

In the spring of 1893 I was attacked by Muscular and Inflammatory Rheumatism. I suffered as only those who have it know, for over three years. I tried remedy after remedy, and doctor after doctor, but such relief as I received was only temporary. Finally, I found a remedy that cured me completely, and it has never returned. I have given it to a number who were terribly afflicted and even bedridden with Rheumatism, and it effected a cure in every case.

I want every sufferer from any form of rheumatic trouble to try this marvelous healing power. Don't send a cent; simply mail your name and address and I will send it free to try. If, after you have used it and it has proven itself to be that long-looked-for means of curing your Rheumatism, you may send the price of it, one dollar; but, understand, I do not want your money unless you are perfectly satisfied to send it. Isn't that fair? Why suffer any longer when positive relief is thus offered you free? Don't delay. Write today.

Mark H. Jackson, No. 282 Alhambra Bldg., Syracuse, N. Y.



TOBACCO HABIT CONQUERED IN 3 DAYS

I offer a genuine, guaranteed remedy for tobacco or snuff habit, in 72 hours. It is mild, pleasant, strengthening. Overcomes that peculiar nervousness and craving for cigarettes, cigars, pipe, chewing tobacco or snuff. One man in 10 can use tobacco without apparent injury; to the other 9 it is poisonous & seriously injurious to health in several ways, causing such disorders as nervous dyspepsia, sleeplessness, gas, belching, gnawing, or other uncomfortable sensation in stomach; constipation, headache, weak eyes, loss of vigor, red spots on skin, throat irritation, asthma, bronchitis, heart failure, lung trouble, catarrh, melancholy, neurasthenia, impotency, loss of memory and will power, impure (poisoned) blood, rheumatism, lumbago, sciatica, heartburn, torpid liver, loss of appetite, bad teeth, foul breath, enervation, lassitude, lack of ambition, falling out of hair, baldness, and many other disorders. It is unsafe and torturing to attempt to cure yourself of tobacco or snuff habit by sudden stopping—don't do it. The correct method is to eliminate the nicotine poison from the system, strengthen the weakened, irritated membranes and nerves and genuinely overcome the craving. You can quit tobacco and enjoy yourself a thousand times better while feeling always in robust health. My FREE book tells all about the wonderful 3 days Method. Inexpensive, reliable. Also Secret Method for conquering habit in another without his knowledge. Full particulars including my book on Tobacco and Snuff Habit mailed in plain wrapper, free. Don't delay. Keep this; show to others. This adv. may not appear again. Mention if you smoke or chew. Address: EDWARD J. WOODS, 534 Sixth Ave., 360 N. New York, N. Y.

STOP RUINING YOUR LIFE

CORRESPONDENCE.

From Philadelphia.—Mr. Park:—When I came home from the office this evening I read your "Children's Letter" in the October Magazine, and it brought so vividly to mind the delightful walk I took during the summer, when I visited LaPark, over the very spot you described, and I could just see it all. I am glad you like the frogs, so do I, and I could almost hear them splash into the water among the Lilies. I had just been thinking on my way home from the office how distasteful to me was the dirty city with its noise and jostling crowds, and I enjoyed so much and want to thank you for the few minutes that I was transported to the sweet and quiet country. Philadelphia, Pa., Oct. 7, 1912. L. Z. LeFevre.

RHEUMATISM

To Get You to Try My Drafts NOW I'll
Send Them on Free Trial—Just
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Don't take medicine—write me. Return mail will bring you, prepaid, a pair



Fred'k Dyer, Cor. Sec.

of the famous **Magic Foot Drafts**, the great Michigan Cure for Rheumatism of every kind, **Chronic or Acute, Muscular, Sciatic, Lumbago or Gout**, no matter where located or how severe. The cures these Drafts are working upon thousands seem so wonderful to me that I do not ask you to believe what I say, but simply to send in my coupon and try the Drafts for yourselves. Then if you are fully satisfied with the benefit received, send me One Dollar. If not, they **cost you nothing. I take your word.** If they can cure all stages of this cruel disease at all ages of life, surely you can expect quick relief. Don't delay—but act at once. Send no money—just this coupon. Do it now.



—This \$1 Coupon FREE—

Good for a regular \$1.00 pair of Magic Foot Drafts to be sent Free to try (as explained above) to

Name.....

Address.....

Mail this coupon to Magic Foot Draft Company, 1191 Oliver Building, Jackson, Mich.

VIEWS OF NATURE.

Lo! 'round we see the meadows
And the cattle grazing there,
And the little streams a-running through the land;
Trees are many where they're needed,
And the birds are singing fair,
And everywhere we see our Father's hand.
Fruit we're having in abundance,
And the several kinds of grain;
And Corn itself "enormous" we will find.
'Twould be different if our Father
Had withheld the sun and rain,
In such a case would cause distress of mind,
St. Louis, Mo. Albert E. Vassar.

My Flower Beds.—I want to tell you about my flower beds, which are now lovely (June 18). I have Sweet Alyssum, Mignonette, Candytuft, Nasturtiums, Portulaca, and other kinds in bloom. My Poppies, Cheeseflowers and some Portulacas are budded, and then I have Four O'Clocks, Okra, Cockscomb and Starflower that has not bloomed. I am greatly disappointed because I sowed mixed Mignonette and all is red. My Sweet Alyssum is put in front of my Poppies and Nasturtiums, and the effect is lovely. I have also Summer Cypress or Burning Bush. One of them is a foot high. Only one Starflower came from a mixed packet. My Okra and Four O'Clocks are at the back of the rest in a row. Next come Poppies, Nasturtiums, Burning Bush, Cheeseflower and Cockscomb. In the third row is Cockscomb, Candytuft, Starflower, and Portulaca, then my Sweet Alyssum. I also have two Cotton plants from seed. They are about a foot high. Only a few of my Petunias came up. I also sowed a mixed packet of Park's seeds and the chickens scratched them up but one, that is in bloom now. It is only a few inches high and has tiny white flowers, and the leaves are like those inclosed. What is its name? I sowed some Pinks and none of them came up. I have to sow my flowers in the garden, for if I sow them in the front yard the chickens will scratch them up.

Ednah L. Fairbanks.

Dawson, Neb., June 18, 1912.

STEM
WIND &
SET.



WATCH RING & FREE CHAIN

FOR SELLING POST CARDS.
We positively give FREE a STEM WIND, SET, BEAUTIFULLY ENGRAVED, Plated WATCH, equal in appearance to Solid Gold Watch, American Made, guaranteed 5 years, and a beautiful Ring set with an Im. Diamond, for selling only 20 packages of beautiful high grade art post cards at 10c a package. Order 20 packages, and when sold, send us \$2, and we will positively send you the Watch, Ring & Chain.

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pleasant, permanent and profitable agency work? We offer a position as exclusive distributing salesman either all or spare time for the Automatic Combination Tool, a Fence Builders Device, Post Puller, Lifting and Pulling Jack, Wire Stretcher, Wrench, etc. Used by Contractors, Teamsters, Farmers, Factories and others. Weighs 24 lbs., lifts or pulls 3 tons. Write for offer and county desired.

AUTOMATIC JACK CO., Box 51, Bloomfield, Ind.

DON'T PAY TWO PRICES

Save \$3.00 to \$22.00 on

Hoosier Ranges and Heaters



Why not buy the Best when you can buy them at such low unheard-of Factory prices. Our new improvements absolutely surpass anything ever produced. Save enough on a single stove to buy your winter's fuel. Thirty days free trial in your own home before you buy. Send postal today for large free catalog and prices.

Address
Hoosier Stove Co., 110 State St., Marion, Ind.

CORRESPONDENCE.

From North Carolina.—I do not see how I could manage without the Floral Magazine. The articles on the culture of different flowers are full of interest to me. The editorial letters and the correspondence from different States of the Union are intensely interesting.

We have had a drouth of seven weeks' duration, and the flowers as well as crops have suffered greatly. The flowers derive so much of their richness of bloom and foliage from the atmosphere, it is difficult to supply the lack. Yesterday there was a good shower, and today the flowers seem to have taken on a new lease of life and are looking much brighter.



Summer Cypress

This is my first time to try *Kochia Scoparia*, or Summer Cypress, and I am delighted with it. It is first green, then red, and every plant a miniature Christmas tree, minus the gifts. I am told that it is hardy and comes up year by year.

Last spring I planted two **Umbrella Tree** seeds. They were very slow to germinate, but I have two fine plants, and do hope they will bloom, as I am anxious to see what manner of flower they are.

Will some of the flower folks or the editor be so kind as to tell me or us through the Magazine what kind of flower the one known in our grandmothers' days as the Gilly-flower is? Is it now known by some other name?

My **Scarlet Sage** is not so plentiful as for several years, but I shall have an abundance of seeds, as I save every one.

My **Day Lily** is rank now. It has five long spikes of buds, and in a few days will be beautiful. It is perfectly hardy planted in half barrels or tubs. No winter here has ever injured it outdoors, slightly covered with manure or leaves. The flowers are so white and pure and fragrant that I wonder it is not universally grown.

Magnolia Trees are at home in this State, also **Crepe Myrtle** and **Cape Jasmine**. The latter grow in the ground in the yards in eastern N. Carolina, but here we take them indoors, though, like **Oleanders**, freezing does not kill them. My large bronze **Cannas** are tropical in appearance. I love rich, gorgeous flowers that suggest the tropics or the Orient.

"In Eastern lands they talk in flowers,

And they tell in a garland their loves and cares;

Each blossom that blooms in their garden bowers,

On its leaves a mystic language bears;

Then gather a wreath from the garden bowers,

And tell the wish of thy heart in flowers."

Colfax, N. C.

Regina R. Bowman.



Cyperus, Umbrella Plant.

SURPRISE SEEDS.—Send me three testimonials of flowers you have succeeded with, and I will mail to you 5 packets Choice Flower Seeds, my choice. Write about **Alyssum**, **Aster**, **Balsam**, **Cosmos**, **Daisy**, **Petunia**, **Pansy**, **Stock**, **Verbena**, **Zinnia**, **Sweet Peas**, **Nasturtium**, etc. And when writing, why not send 15 cents for Magazine and Daffodils or Christmas cards, etc. Address

GEO. W. PARK, La Park, Pa.

MONEY Made quickly by smart men.
T. Artol Co., 115 Nassau St., N. Y.

AGENTS \$25.00 A Week

A brand new hosiery proposition that beats them all. Must wear 4 months or replaced free. All styles and grades, for men, women and children. Sell every day in the year. Big repeat proposition. Write for terms of free samples, if you mean business.

THOMAS HOSIERY CO.,

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Coral Necklace FREE!

Send 10c. for three months' trial subscription to the Household, with 5c. extra for mailing expense and we will send you **absolutely free** a handsome new style. Genuine Coral Necklace, made from corals of delicate light red color; very stylish and quite expensive, but we give away a limited quantity free, just to introduce our magazine. Send 15c. immediately. Your money back if not delighted. Address, **HOUSEHOLD, Dept. CN-12, Topeka, Kan.**

THE IDEA OF A WOMAN

Having Pimples, Blackheads, Superfluous Hair and Other Facial Blemishes and Appearing in Public is Positively Repulsive.

Why Should any Woman be Thin, Scrawny and Homely When She has it in Her Power to be as Beautiful as Her More Fortunate Sister? A Well Known Beauty Reveals Secrets of Beautifying That Every Woman Should Know; Also Tells How to Remove Wrinkles and Develop the Bust to Beautiful Proportions, by a New Discovery. Let this Woman Send You FREE Everything She Agrees and Beautify Your Face and Form Quickly.

This clever woman by her marvelous and simple methods has brought about a wonderful change in her face in a night.

For removing wrinkles and developing the bust her method is truly wonderfully rapid. She made herself the woman she is today and brought about the wonderful change in her appearance in a secret and pleasant manner. Her complexion is as clear and fair as that of a child. She turned her scrawny figure into a beautiful bust and well developed form. She had thin, scrawny eyelashes and eyebrows, which could scarcely be seen. She made them long, thick and beautiful by her own methods and removed every blackhead and pimple from her face in a single night.

You can imagine her joy when, by her own simple discovery, she removed every wrinkle from her face and developed her thin neck and form to beautiful proportions.

Nothing is taken into the stomach, no common massage, but a common sense method.

It is simply astonishing the thousands of women who write regarding the wonderful results from this new beauty treatment. It is beautifying their faces and forms after beauty doctors and other methods have failed. No woman need be unattractive any longer. She has it in her power now to be beautiful, attractive and fascinating.

Ethel Baker, of New York writes: "My bust, which was once flat and scrawny, is nicely developed."

E. Waibel, of N. J. writes: "I was always troubled with hair on my arms, but now they are as clear of it as the palm of my hand."

Gertrude Morrow, of Pa., writes "Your beauty treatment causes the wrinkles to quickly disappear."

The valuable new beauty book which Madame Cunningham is sending **FREE** to thousands of women is certainly a blessing to womankind, as it makes known her remarkable but simple methods of beautifying the face and figure of unattractive women.

All our readers should write her at once and she will send you, absolutely free, all she agrees and will show our readers:

How to remove wrinkles; How to develop the figure quickly; How to make long, thick eyelashes and eyebrows; How to remove superfluous hair instantly; How to clear the skin of blackheads, pimples and freckles; How to remove dark circles under the eyes; How to quickly remove double chin; How to build up sunken cheeks and add flesh to the body; How to darken gray hair and stop hair falling; How to stop forever perspiration odors.

Simply address your letter to Evelyn Cunningham, Suite B 226-2637 S. Michigan Ave., Chicago, Ill., and don't send any money, because particulars are free, as this charming woman is doing her utmost to benefit girls or women in need of secret information which will add to their beauty and make life sweeter and lovelier in every way.



Bulbs For Cemetery Planting.

Bulbs are the most lasting, beautiful and desirable of flowers for planting in the Cemetery. Those I offer are hardy, will take care of themselves, even though hampered by grasses, and are sure to bloom every year. I freely recommend them. I offer the 12 bulbs for 25 cents, or five collections, 60 bulbs, for \$1.00, mailed, postpaid.

1 Lillium Candidum, the lovely Madonna Lily, trusses of beautiful, fragrant, pure white trumpets, in mid-summer. Price 10 cents.

3 Leucojum Aestivum, the elegant giant summer Snowdrop; grows a foot high, bearing big clusters of drooping white flowers. The 3 bulbs 10 cts.

1 Muscari Botryoides alba, the rare and charming white Grape Hyacinth; a beautiful early spring flower. Price 5 cents.

3 Narcissus alba plena odorata, the hardy, fragrant, white double Poet's Narcissus; one of our finest early spring flowers. The 3 bulbs, 10 cents.

3 Narcissus biflorus, a superb Narcissus; large, Single white flowers in pairs; splendid. The 3 bulbs 10 cents.

1 Iris Florentina alba, a glorious Fleur-de-Lis, grows a foot high, bearing great pearly white, fragrant flowers in May. Price 5 cents.

THIS ENTIRE COLLECTION, retail value 50 cents, will be mailed for 25 cents, or five collections, 60 bulbs, for \$1.00. You can find no bulbs more suitable for Cemetery planting than these. Order early, as the Lily should be planted at once.

MISCELLANEOUS BULBS.

Anemone fulgens, rich scarlet, doz. 25c, each 3c.
Babiana, mixed, fine pot bulbs, easily grown, per dozen 25 cents, each 3 cents.

Bulbocodium vernum, hardy early spring flower, per dozen 50 cents, each 5 cents.

Camassia esculenta, hardy, blue, showy, per dozen 25 cents, each 3 cents.

Chionodoxa Luciliae, Snow Glory, earliest of flowers, per dozen 25 cents, each 3 cents.

Corydalis bulbosa, lovely hardy spring flowers, each 3 cents.

Day Lilies in variety, per doz. 50 cents each 5c.

Eranthis hyemalis, very early hardy spring flower, per dozen 25 cents, each 3 cents.

Erythronium mixed, splendid little spring flower, per dozen 25 cents, each 3 cents.

Fritillaria Meleagris, elegant bulbous spring flowers, per dozen 25 cents, each 3 cents.

Galtonia Candicans, Summer Hyacinth, hardy, per dozen 50 cents, each 5 cents.

Iris Anglica, English Iris, mixed, a fine spring flowering bulbous Iris of various colors, per dozen 25 cents, each 3 cents.

Iris Kämpferi, white, rose or blue, named, ea. 5c.

Iris Germanica, mixed, per doz. 50c., each 5c.

Iris Florentina, white, blue, purple, separate, per dozen 50 cents, each 5 cents.

Lachenalia quadricolor, a fine pot bulb for winter-blooming, sure to bloom, each 10 cents.

Leucojum Vernum, the lovely spring Snowflake, per dozen 50 cents, each 5 cents.

Oxalis Bowei, rose, large-flowered, doz. 25c, ea. 3c.

" **cernua lutea**, yellow, fine, doz. 25c, each 3c.

" **fl.pl.**, double, fine, doz. 35c, each 4c.

" **Rosea**, lovely; rich flowered, doz. 25c, ea. 3c.

Puschkinia libanotica, charming hardy spring flower, per dozen 25 cents, each 3 cents.



SINGLE TULIP.



DOUBLE TULIP.



SINGLE NARCISBUS.



DOUBLE NARCISBUS.

25 CHOICE HARDY BULBS. FOR ONLY 25 CENTS.

I OFFER my friends the finest collection of Choice Hardy Bulbs that has ever been advertised. It is a great bargain. These are all very handsome, named sorts, grown for me in immense quantities by Holland specialists, and imported this season. They are not inferior, cheap or mixed bulbs, but such as will give perfect satisfaction.

Single Tulip, early Spring flower; rich color.

Double Tulip, blooms later; effective, beautiful.

Narcissus Poeticus, white flower, pink cup; fine.

Alba plena odorata, double, Gardenia scent.

Leedsii, a superb newer sort; white.

Incomparabilis, yellow, double Daffodil.

Campernelle Jonquil, large, yellow, fragrant.

Crocus, large yellow, pretty early Spring flower.

Scilla Siberica, blue, very early and handsome.

Nutans, spikes of drooping bells; charming.

Muscari Cerulea, lovely blue Grape Hyacinth.

Parrot Tulip, a superb late Tulip, rich colors.

Sparaxis, giant sort, very brilliant flowers.

Ornithogalum umbellatum, starry flowers.

Iris Hispanica, Chrysolora, hardy golden Iris.

Blanchard, pure white hardy Iris.

Alex. von Humboldt, handsome blue Iris.

Anemone Coronaria, large, single, Poppy-like.

Coronaria, fl.pl., double, Poppy-like flowers.

Ranunculus, Double French, fine large flowers.

Snowdrop, Galanthus Elwesii, white; very early.

Ixia, lovely flowers in spikes; fine winter-bloomer.

Oxalis rosea, lovely, rich flowered.

Triteleia uniflora, white, early Spring flower.

Chionodoxa luciliae, Glory of the Snow, among the earliest; hardy and beautiful.

THE ABOVE BULBS are all easily grown, and I will include full cultural directions with every collection, so that all who plant them will succeed. I hope every one of my patrons will order the above collection, and ask others to send with them. To encourage club orders I will send an extra lot (25 bulbs) for an order of four collections (\$1.00); or for an order of 10 collections (\$2.50) I will send 20 Choice Hyacinth bulbs in 20 best named double and single varieties. Please see your friends at once, and get up a big club. A trial subscription to Park's Floral Magazine will be included with every collection. These bulbs are all suitable for either house or garden culture. The illustrations will give some idea of their appearance and beauty. Order now. The earlier you get the bulbs the better they will grow and bloom. Address **GEO. W. PARK, La Park, Pa.**

